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IOWA WEEKLY WEATHER AND CROP REPORT

Prepared jointly by
U. S. DEPARTMENT OF COMMERCE U. S. DEPARTMENT OF AGRICULTURE
NOAA - National Weather Service Statistical Reporting Service

In cooperation with
IOWA DEPARTMENT OF AGRICULTURE

121 74-30
Released Tuesday at 3:00 p.m., CDT, October 29, 1974 Des Moines, Iowa

Week Ending October 29, 1974

WEATHER: Generally dry air masses and southerly winds gave temperatures averaging about 10 degrees above normal. Extremes ranged from a high of 78 degrees at Sioux City on the 24th down to a low of 24 degrees at Spencer on the 26th. Coolest days were Friday and Saturday. Thursday and Sunday were mostly cloudy; the other five days were generally sunny.

Widely scattered light showers on the 23, 24, 25 and 27 gave rainfall amounts generally under .1 inch total for the week. The continuing below normal precipitation averaged 0.5 inch this week and 0.9 inch for the past two weeks.

CROPS: Ideal harvesting weather last week moved the harvest along at a rapid rate. Days suitable for fieldwork 6.9, 1968-72 average 4.8 days. Monday night rains relieved dry soil moisture conditions in many areas. This should improve plowing of land for next spring's crop, which is 21 percent complete. Farmers are encountering minor problems with drying capacity as the grain comes in faster than it can be handled.

Corn: The corn harvest has nearly reached normal progress and is 37 percent complete compared to the average of 38 percent. This is up from 18 and 27 percent last week. Popcorn harvest is 60 percent complete.

Soybeans: The soybean harvest is nearing completion in many areas as 88 percent of the crop has been combined, this compares to the average of 76 percent and last week's 64 percent.

Other Crops: The grain sorghum harvest is 56 percent complete compared to the average of 59 percent. Topsoil moisture is 57 percent short and 43 percent adequate and subsoil moisture is 48 percent short and 52 percent adequate. These figures are prior to Monday night's rain. The rain should help winter wheat and help build up moisture for next year's crops.

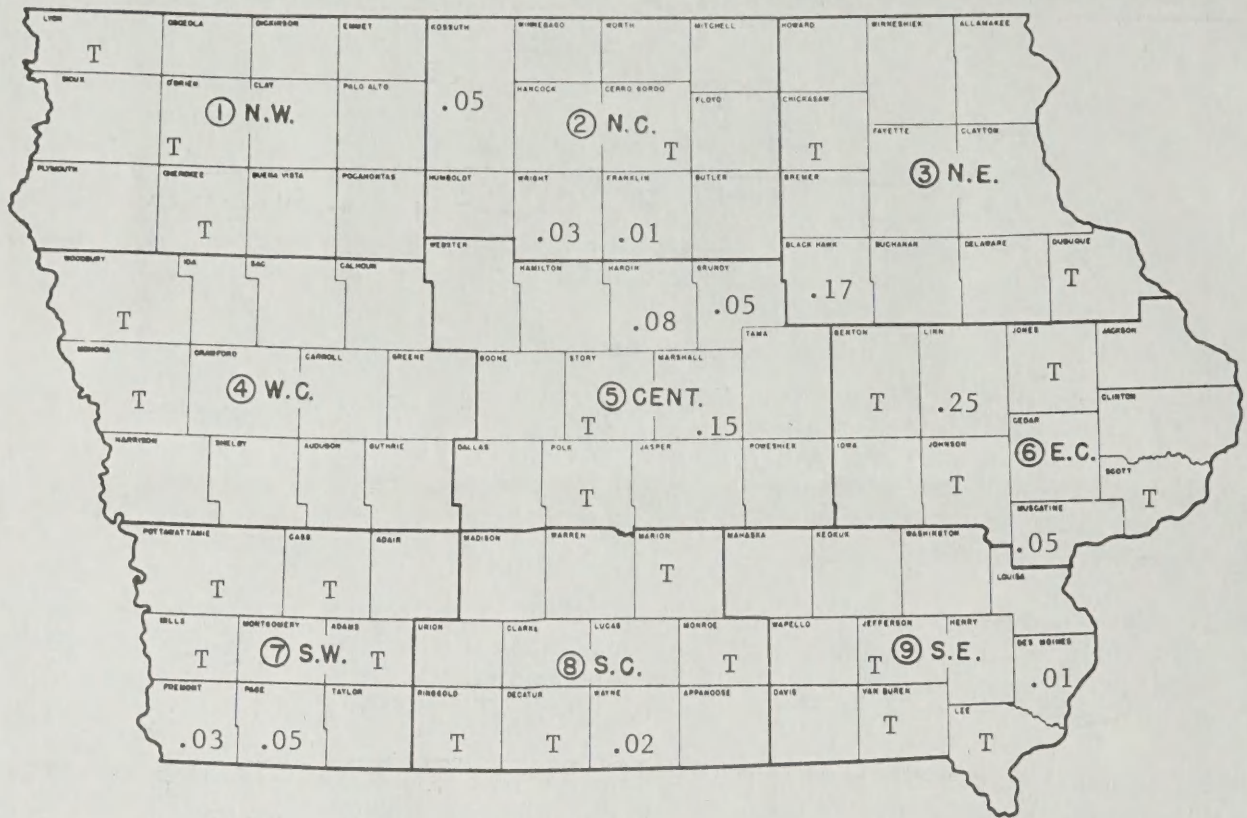
IOWA WEEKLY CROP SUMMARY

| Stage of Crop Progress and/or Development As of October 29, 1974 | Crop Reporting District | | | | | | | | | | 5 Yr. |
|--|-------------------------|----|----|----|----|----|----|----|----|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | Ave. |
| Percent corn acreage harvested (for grain) | 70 | 48 | 25 | 40 | 35 | 25 | 32 | 25 | 30 | 37 | 38 |
| Percent soybean acreage harvested | 99 | 96 | 80 | 95 | 85 | 82 | 88 | 78 | 76 | 88 | 76 |

(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

(OVER)

PRECIPITATION FOR WEEK ENDING 6:00 A.M., CST, OCTOBER 28, 1974



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|------------|--------------|--------------|------------------------|------------|--------------|--------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 55 | +10 | +6 | +1 | T | -0.3 | -0.7 | -1.5 |
| 2-NC | 55 | +10 | +4 | +1 | T | -0.4 | -0.8 | -0.8 |
| 3-NE | 54 | +8 | +2 | -1 | T | -0.5 | -1.0 | -0.6 |
| 4-WC | 59 | +11 | +5 | +1 | T | -0.4 | -0.8 | -0.8 |
| 5-C | 58 | +10 | +4 | 0 | T | -0.4 | -0.9 | -0.3 |
| 6-EC | 57 | +9 | +2 | -2 | T | -0.5 | -1.0 | -0.9 |
| 7-SW | 62 | +13 | +6 | +1 | T | -0.4 | -0.9 | -1.2 |
| 8-SC | 60 | +11 | +4 | -1 | T | -0.5 | -1.0 | -1.3 |
| 9-SE | 59 | +9 | +3 | -1 | T | -0.5 | -1.0 | -0.4 |

*Departures are computed from 1941-70 normals.

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WEEKLY WEATHER AND CROP REPORT

Prepared jointly by
U. S. DEPARTMENT OF COMMERCE U. S. DEPARTMENT OF AGRICULTURE
NOAA - National Weather Service Statistical Reporting Service

In cooperation with

121 IOWA DEPARTMENT OF AGRICULTURE 74-31

Released Monday at 3:00 p.m., CST November 4, 1974 Des Moines, Iowa

Week Ending November 4, 1974

WEATHER: The week was mostly cloudy, wet and mild. Precipitation was well above normal in all districts for the first time since August. Heaviest rainfall was Wednesday when 3-4 inches fell in the southwest and central areas. Temperatures averaged 10-13 degrees above normal for the second consecutive week. After a mild week, colder air moved in over the weekend. Seventy-five degrees at Davenport on the 28th was warmest while 22 degrees at Spencer and Fort Dodge the morning of November 4th was coldest reported.

CROPS: Harvesting activity in most areas in Iowa was stopped near midweek as much needed rain was received over most of the State. There were 3.8 days suitable for fieldwork compared to the 1968-72 average of 4.1 days. Fieldwork had progressed well at the beginning of the week and is beginning again as fields dry.

Corn: The corn harvest is 48 percent complete, this compares to the average of 46 percent. As farmers return to the fields, most will be harvesting corn and plowing. There are still many reports of wet corn and light test weights.

Soybeans: The soybean harvest is nearing completion as 93 percent of the beans are harvested compared to the average of 83 percent. Another week of good weather should finish the harvest.

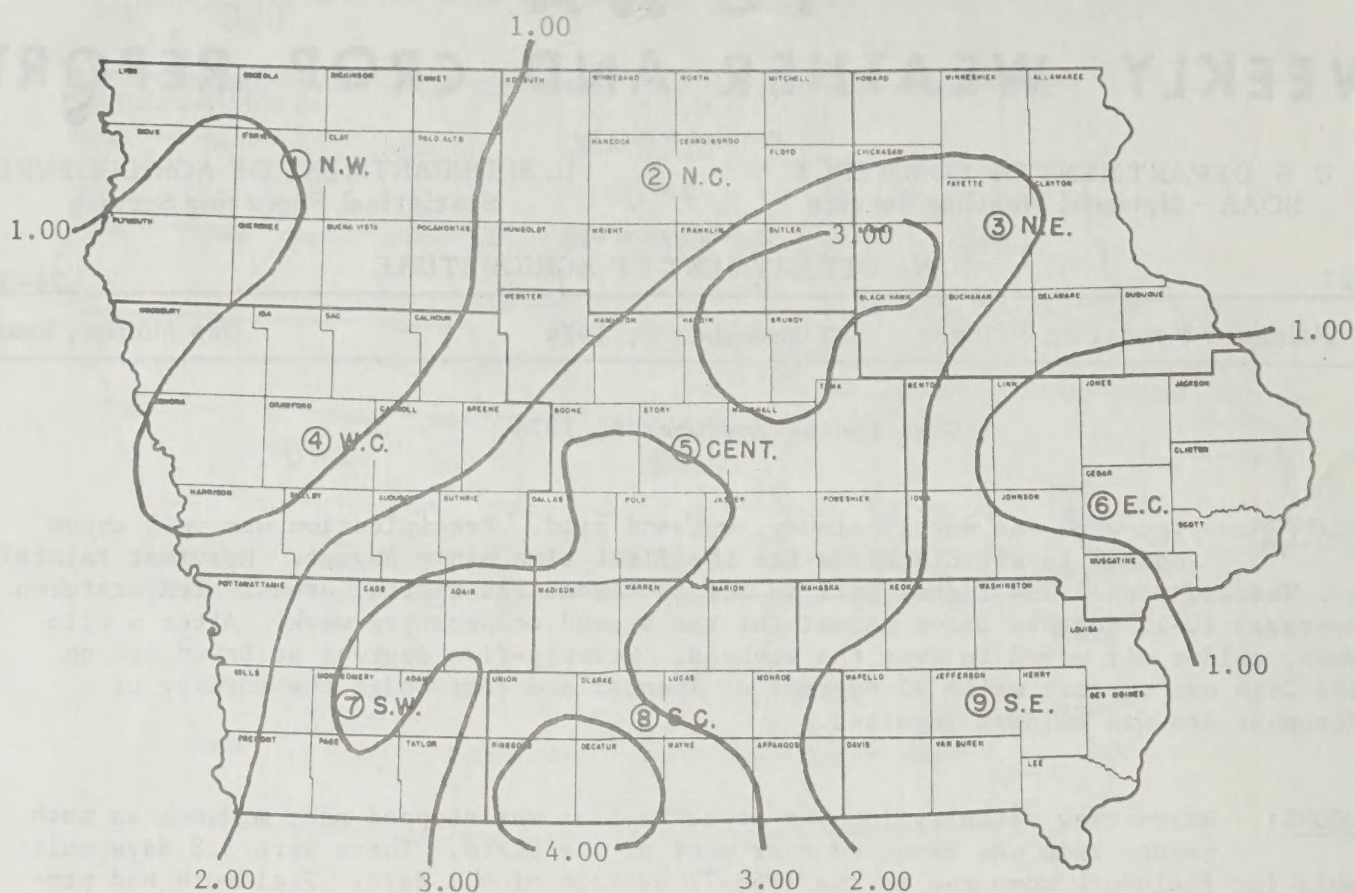
Other Crops: Plowing for the 1975 crop is 27 percent complete. Grain sorghum harvest is at the normal pace and is 67 percent complete. Popcorn harvest is 76 percent complete. Topsoil moisture is 16 percent short, 68 percent adequate and 16 percent surplus as the rains relieved dry soil conditions in many areas.

IOWA WEEKLY CROP SUMMARY

| Stage of Crop Progress and/or Development As of November 4, 1974 | Crop Reporting District | | | | | | | | | | 5 Yr. Ave. |
|--|-------------------------|----|----|----|----|----|----|----|----|-------|---------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | |
| Percent corn acreage harvested (for grain) | 82 | 65 | 30 | 50 | 41 | 36 | 42 | 36 | 31 | 48 | 46 |
| Percent soybean acreage harvested | 100 | 98 | 91 | 97 | 92 | 84 | 92 | 87 | 89 | 93 | 83 |

(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

(OVER)



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 51 | +11 | +11 | +6 | 0.8 | +0.5 | +0.2 | -0.6 |
| 2-NC | 52 | +11 | +11 | +5 | 1.1 | +0.7 | +0.3 | -0.1 |
| 3-NE | 54 | +12 | +10 | +4 | 1.8 | +1.4 | +0.9 | +0.3 |
| 4-WC | 54 | +10 | +11 | +5 | 1.4 | +1.1 | +0.7 | +0.4 |
| 5-C | 55 | +11 | +11 | +5 | 2.7 | +2.3 | +1.9 | +1.7 |
| 6-EC | 57 | +13 | +11 | +4 | 1.2 | +0.7 | +0.2 | -0.3 |
| 7-SW | 57 | +11 | +12 | +5 | 2.7 | +2.3 | +1.9 | +1.4 |
| 8-SC | 57 | +12 | +12 | +4 | 3.4 | +3.0 | +2.5 | +2.1 |
| 9-SE | 58 | +12 | +11 | +4 | 1.2 | +0.8 | +0.3 | +0.3 |

*Departures are computed from 1941-70 normals.

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WEEKLY WEATHER AND CROP REPORT

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U. S. DEPARTMENT OF AGRICULTURE
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121

74-32

Released Monday at 3:00 p.m., CST November 11, 1974

Des Moines, Iowa

Week Ending November 11, 1974

WEATHER: The first snow of the season occurred on Tuesday Election Day. Snow covered the ground for a brief period over the northern counties where Clarion reported 2½ inch accumulation. In most areas, however, it was a mixture of rain and snow. Sunny mild weather prevailed midweek then rain spread across the State again during the weekend. Precipitation averaged above normal and the amounts ranged from 1/4 inch northwest to around 1 inch southeast. Temperatures averaged above normal for the third consecutive week. The coldest reading was 18 degrees at Elkader and the warmest was 65 degrees at Fort Dodge and Council Bluffs, both occurring on the 7th.

CROPS: Good midweek weather allowing harvesting to continue ahead of normal was followed by general weekend rains. Days suitable for fieldwork 4.4, the same as the 1968-72 average. The soybean harvest is finished in most areas with the feed grain harvests continuing rapidly. Plowing for the 1975 crop continues and is ahead of normal progress. Fall fertilizer plow down is greater than normal as a result of price and availability uncertainties.

Corn: The corn harvest is 65 percent complete, well ahead of the average of 57 percent. The harvest is nearly complete in the Northwest District with other districts from 46 to 75 percent complete. There have been a few reports of corn rotting and sprouting in the field due to the high moisture and warm temperatures.

Soybeans: The soybean harvest is nearing completion as 97 percent has been combined compared to the average of 87 percent. All districts have over 90 percent of their soybeans harvested.

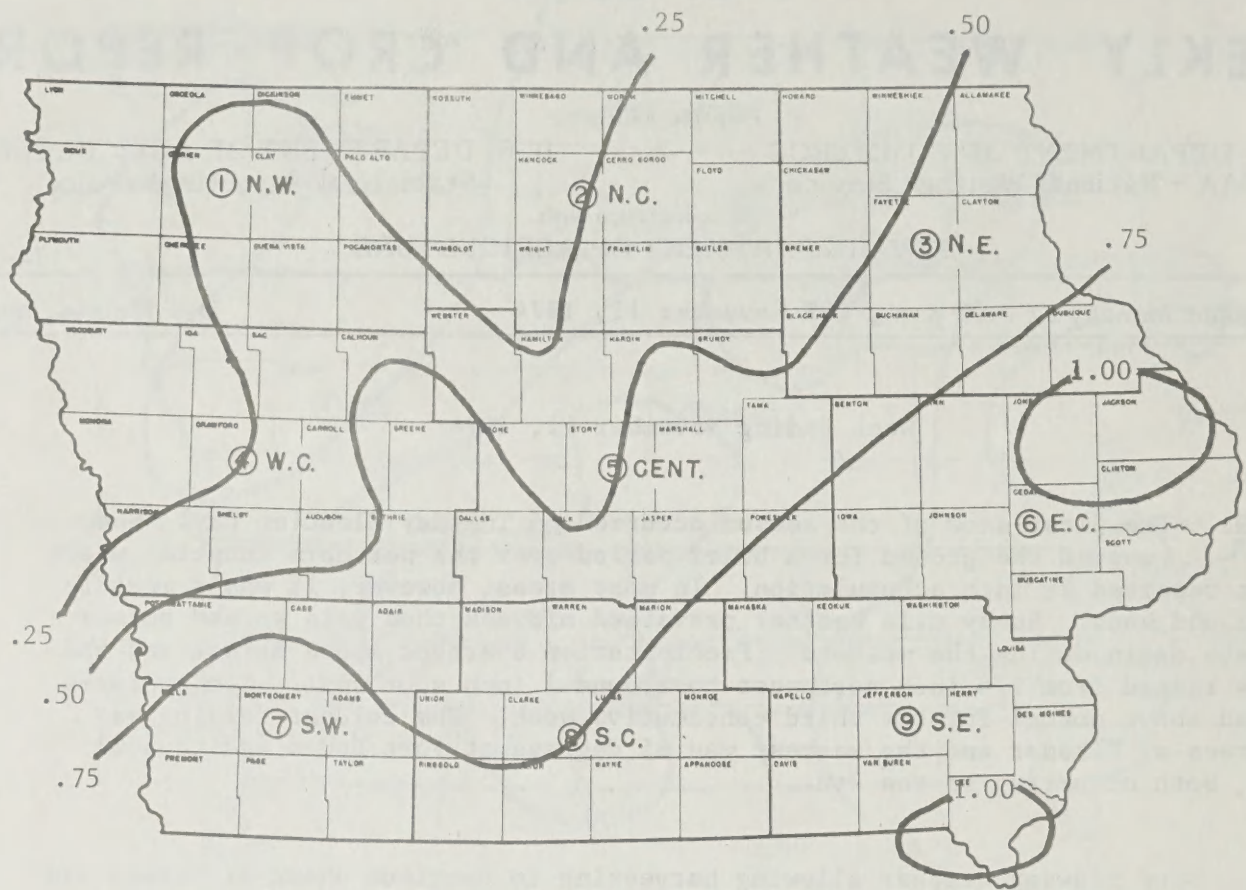
Other Crops: The sorghum harvest is 80 percent complete compared to the average of 73 percent. The popcorn harvest is 87 percent complete. Plowing for the 1975 crop is 35 percent complete. Topsoil moisture is 17 percent short, 82 percent adequate and 1 percent surplus, this was prior to the weekend rains.

IOWA WEEKLY CROP SUMMARY

| Stage of Crop Progress and/or Development As of November 11, 1974 | Crop Reporting District | | | | | | | | | | 5 Yr. Ave. |
|---|-------------------------|----|----|----|----|----|----|----|----|-------|---------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | |
| Percent corn acreage harvested (for grain) | 90 | 75 | 53 | 73 | 66 | 46 | 58 | 63 | 52 | 65 | 57 |
| Percent soybean acreage harvested | 100 | 99 | 94 | 98 | 97 | 93 | 96 | 95 | 92 | 97 | 87 |

(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

(OVER)



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|------------|--------------|--------------|------------------------|------------|--------------|--------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 42 | +6 | +9 | +9 | 0.3 | 0.0 | +0.5 | -0.2 |
| 2-NC | 43 | +6 | +9 | +6 | 0.5 | +0.2 | +0.9 | +0.1 |
| 3-NE | 42 | +4 | +8 | +5 | 0.6 | +0.2 | +1.6 | +0.6 |
| 4-WC | 42 | +3 | +7 | +6 | 0.4 | +0.1 | +1.2 | +0.4 |
| 5-C | 43 | +3 | +7 | +5 | 0.5 | +0.2 | +2.5 | +1.6 |
| 6-EC | 42 | +1 | +7 | +5 | 0.9 | +0.4 | +1.1 | +0.1 |
| 7-SW | 43 | +1 | +6 | +6 | 0.7 | +0.3 | +2.6 | +1.7 |
| 8-SC | 44 | +2 | +7 | +5 | 0.8 | +0.4 | +3.4 | +2.4 |
| 9-SE | 44 | +1 | +7 | +5 | 0.8 | +0.4 | +1.2 | +0.2 |

*Departures are computed from 1941-70 normals.

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IOWA DEPARTMENT OF AGRICULTURE

74-33

Released Monday at 3:00 p.m., CST November 18, 1974

Des Moines, Iowa

Week Ending November 18, 1974

WEATHER: Generally cold air prevailed with temperatures averaging from three degrees below normal southeast to around normal elsewhere. However, the last four to six weeks have averaged several degrees above normal. Extremes were 68 degrees at Council Bluffs on Sunday the 17th and 11 degrees at Sanborn on Friday the 15th.

There were partly cloudy skies and some sunshine on Monday the 11th and on the last weekend but the rest of the week saw considerable cloudiness with occasional scattered snow flurries. Most of the State was blanketed with snow on the 13th; there was more than one inch from west central to the southeast with five inches falling on Augusta, Burlington and Davenport. This precipitation was below normal for the week, but for the last three weeks precipitation averaged above normal.

CROPS: Snow and rain slowed fieldwork the past week across most of Iowa. Fields were becoming workable on Tuesday but farmers were forced from the fields again on Wednesday because of general snowfalls over the State. There were 3.9 days suitable for fieldwork compared to the 1968-72 average of 4.4 days. The corn harvest is progressing at a steady pace as farmers work in drier areas and in the mornings before the frozen surface thaws, trying to avoid muddy conditions.

The soybean harvest is complete except for a few late fields. The popcorn harvest is also nearly complete while the grain sorghum harvest is 86 percent complete compared to the average of 83 percent.

Corn: The corn harvest is 78 percent complete compared to the 5 year average of 69 percent. The harvest in Northwest district is nearly complete and the other districts are all over 60 percent complete. The later corn, still in the fields, is wetter and of poorer quality than the corn already harvested. There continues to be reports of corn sprouting and rotting in the fields.

Other: Fall plowing for the 1975 crop is 40 percent complete and is continuing as the ground is not yet frozen. Topsoil moisture is 11 percent short, 77 percent adequate and 12 percent surplus.

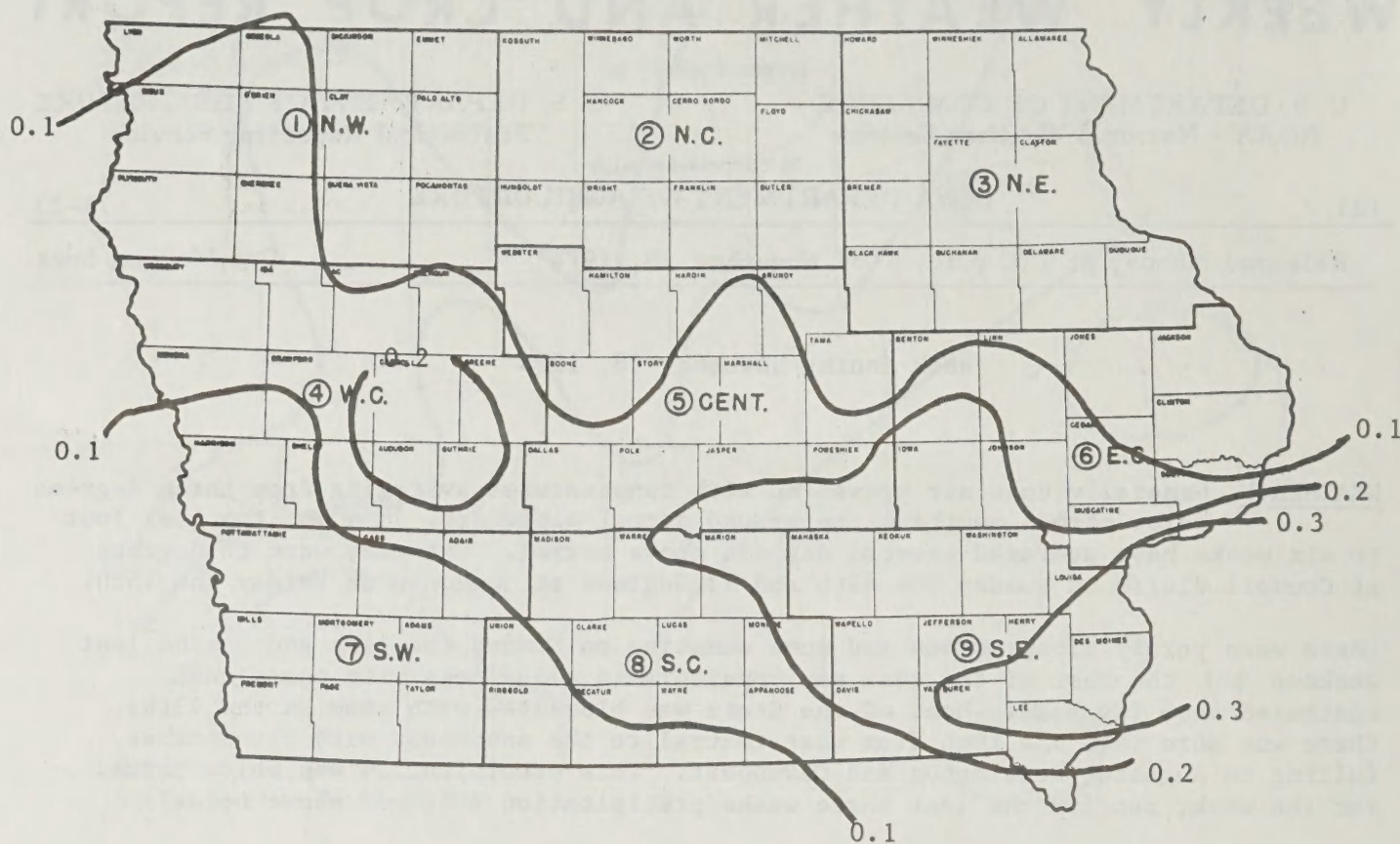
IOWA WEEKLY CROP SUMMARY

| Stage of Crop Progress and/or Development As of November 18, 1974 | | | | | | | | | | | 5 Yr. Ave. |
|---|----|----|----|----|----|----|----|----|----|-------|---------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | |
| Percent corn acreage harvested (for grain) | 97 | 88 | 67 | 83 | 75 | 64 | 78 | 70 | 72 | 78 | 69 |

(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

(OVER)

PRECIPITATION FOR WEEK ENDING 6:00 A.M., CST, NOVEMBER 18, 1974



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 33 | 0 | +3 | +7 | 0.1 | -0.1 | -0.1 | +0.1 |
| 2-NC | 33 | 0 | +3 | +7 | 0.1 | -0.2 | 0.0 | +0.3 |
| 3-NE | 35 | +1 | +3 | +6 | T | -0.4 | -0.2 | +0.7 |
| 4-WC | 36 | 0 | +2 | +6 | 0.1 | -0.2 | -0.1 | +0.6 |
| 5-C | 35 | -2 | +1 | +6 | 0.1 | -0.2 | 0.0 | +1.9 |
| 6-EC | 36 | -1 | 0 | +6 | 0.2 | -0.2 | +0.2 | +0.4 |
| 7-SW | 39 | +1 | +1 | +7 | T | -0.3 | 0.0 | +1.9 |
| 8-SC | 38 | 0 | +1 | +6 | 0.1 | -0.3 | +0.1 | +2.6 |
| 9-SE | 37 | -3 | -1 | +5 | 0.2 | -0.2 | +0.2 | +0.5 |

*Departures are computed from 1941-70 normals.

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121

74-34

Released Monday at 3:00 p.m., CST November 25, 1974

Des Moines, Iowa

Week Ending November 25, 1974

WEATHER: Even though cold air intruded over the State on Wednesday and on Sunday, the average temperature for the week was mild, mainly 5 to 10 degrees above normal. The whole month of November is running above normal. Extremes this last week were from a high of 70 degrees at Logan the 22nd down to 11 degrees at Spencer the 25th.

Cloudiness was variable during the week. Principal precipitation was a light rain on Saturday with greatest amounts in eastern sections. This rain was .2 to .3 inches below normal.

CROPS: A near perfect week for fieldwork sped the harvests to near completion for all crops. There were 6.4 days suitable for fieldwork compared to the 1968-72 average of 4.8 days. Many farmers have finished with their harvests and are chopping corn stalks and plowing ground for next year's crop. Nearly 52 percent of the intended plowing has been done for the 1975 crop.

The corn harvest is 90 percent complete, still ahead of the 5 year average of 81 percent. Farmers are incurring problems with high moisture corn and the capacity of elevators to handle their crop. Farmers with cattle have been utilizing corn stocks by grazing and stacking it to feed this winter.

The grain sorghum harvest is at about normal pace with 94 percent harvested.

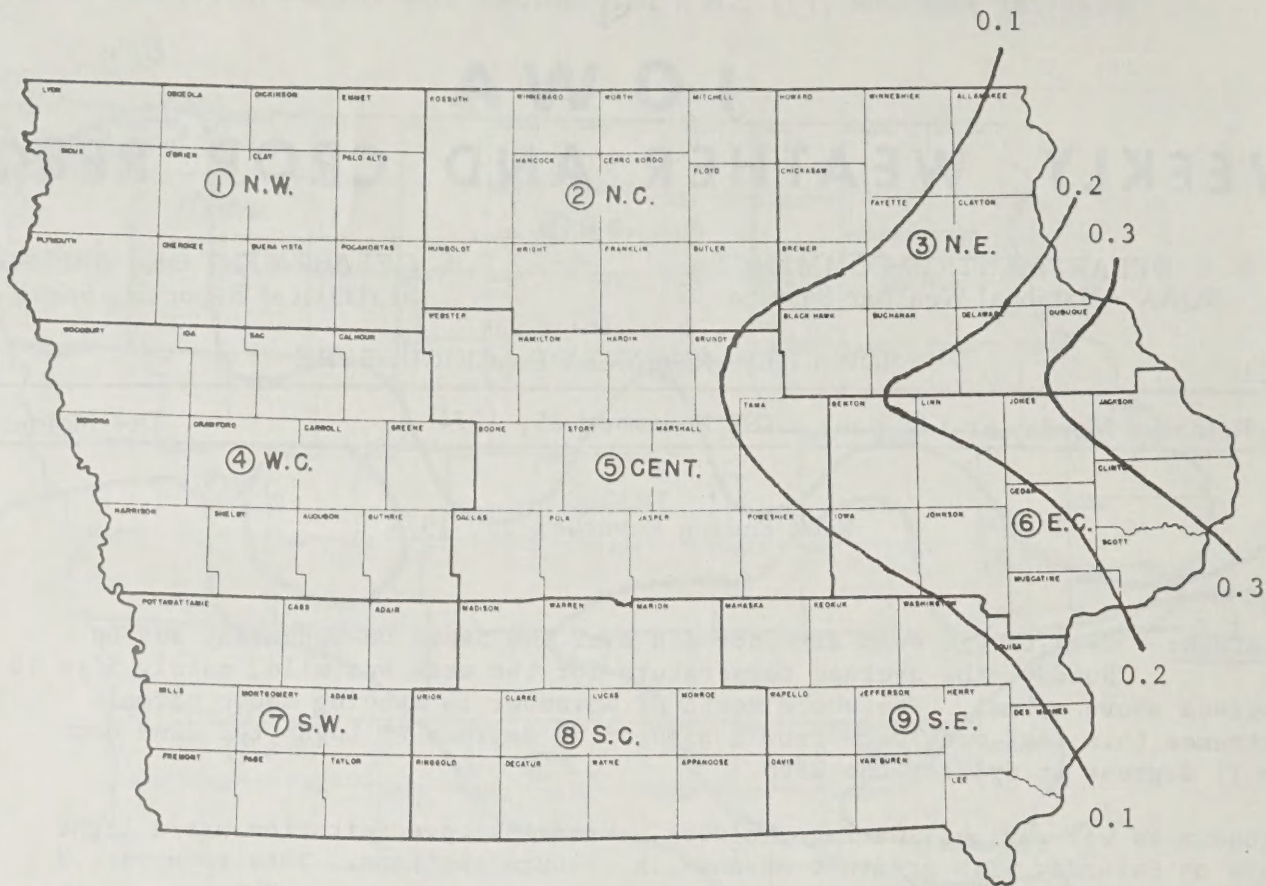
Topsoil moisture is reported at 13 percent short, 85 percent adequate and 2 percent surplus. The Western districts, especially the Northwest, report very dry conditions, in some cases causing fieldwork to be halted. With the high percent of land plowed this fall there is concern over the possibility of excessive erosion this winter and next spring.

IOWA WEEKLY CROP SUMMARY

| Stage of Crop Progress and/or Development As of November 25, 1974 | Crop Reporting District | | | | | | | | | 5 Yr. Ave. | |
|---|-------------------------|----|----|----|----|----|----|----|---------|---------------|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 State | | |
| Percent corn acreage harvested (for grain) | 99 | 95 | 83 | 95 | 89 | 77 | 94 | 87 | 82 | 90 | 81 |

(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

(OVER)



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 36 | + 6 | +3 | +6 | T | -0.2 | -0.3 | +0.2 |
| 2-NC | 36 | + 7 | +4 | +6 | T | -0.3 | -0.5 | +0.4 |
| 3-NE | 37 | + 6 | +4 | +6 | 0.2 | -0.2 | -0.6 | +1.0 |
| 4-WC | 42 | + 9 | +5 | +6 | T | -0.2 | -0.4 | +0.8 |
| 5-C | 40 | + 6 | +2 | +5 | T | -0.3 | -0.5 | +2.0 |
| 6-EC | 39 | + 5 | +2 | +5 | 0.2 | -0.2 | -0.4 | +0.7 |
| 7-SW | 45 | +10 | +6 | +6 | T | -0.3 | -0.6 | +2.0 |
| 8-SC | 43 | + 8 | +4 | +6 | T | -0.3 | -0.6 | +2.8 |
| 9-SE | 41 | + 1 | +1 | +4 | 0.1 | -0.2 | -0.4 | +0.8 |

*Departures are computed from 1941-70 normals.

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IOWA DEPARTMENT OF AGRICULTURE

121

74-35

Released Monday at 3:00 p.m., CST December 2, 1974

Des Moines, Iowa

Week Ending December 2, 1974

WEATHER: High pressure and fair weather the first part of the week gave way to the first major snow storm of the fall Friday into Sunday. Snow totaled from 8 to 11 inches in the southeast. Precipitation for the week ranged from a little below normal in the northwest to 3 times normal in the southeast and fell mostly as snow with the weekend storm. The only significant cold air intrusion followed the weekend snow storm and dropped temperatures to 7 degrees above at Waterloo and Spencer on the 2nd. High temperature for the week was 53 degrees at Red Oak on the 26th. Temperatures were one to two degrees below normal in most sections but four degrees below normal in the southeast for the week. Monthly temperatures were 3 degrees above in the west and north to 1 degree below in the southeast. Precipitation was from 0.1 to 0.4 below normal north and west to 0.42 to 0.6 above normal southeast.

CROPS: Snow and freezing temperatures have ended most fieldwork across the State. By midweek, the ground was frozen in many areas and with weekend snows, most field activity was ended for the year. There were 4.5 days suitable for fieldwork compared to the 1968-72 average of 6.0 days.

Fall plowing for the 1975 crop progressed rapidly early in the week and is 59 percent complete.

The corn harvest is 93 percent complete compared to the 5 year average of 89 percent. Mainly late planted, wet corn in eastern Iowa remains in the field.

All other harvests are complete except for a few scattered fields.

Topsoil moisture is 18 percent short, 80 percent adequate and 2 percent surplus. Subsoil moisture is 33 percent short, 66 percent adequate and 1 percent surplus. Soil moisture still is a major concern for farmers concerning their 1975 crops.

Fertilizer is being applied in greater amounts this fall than normal.

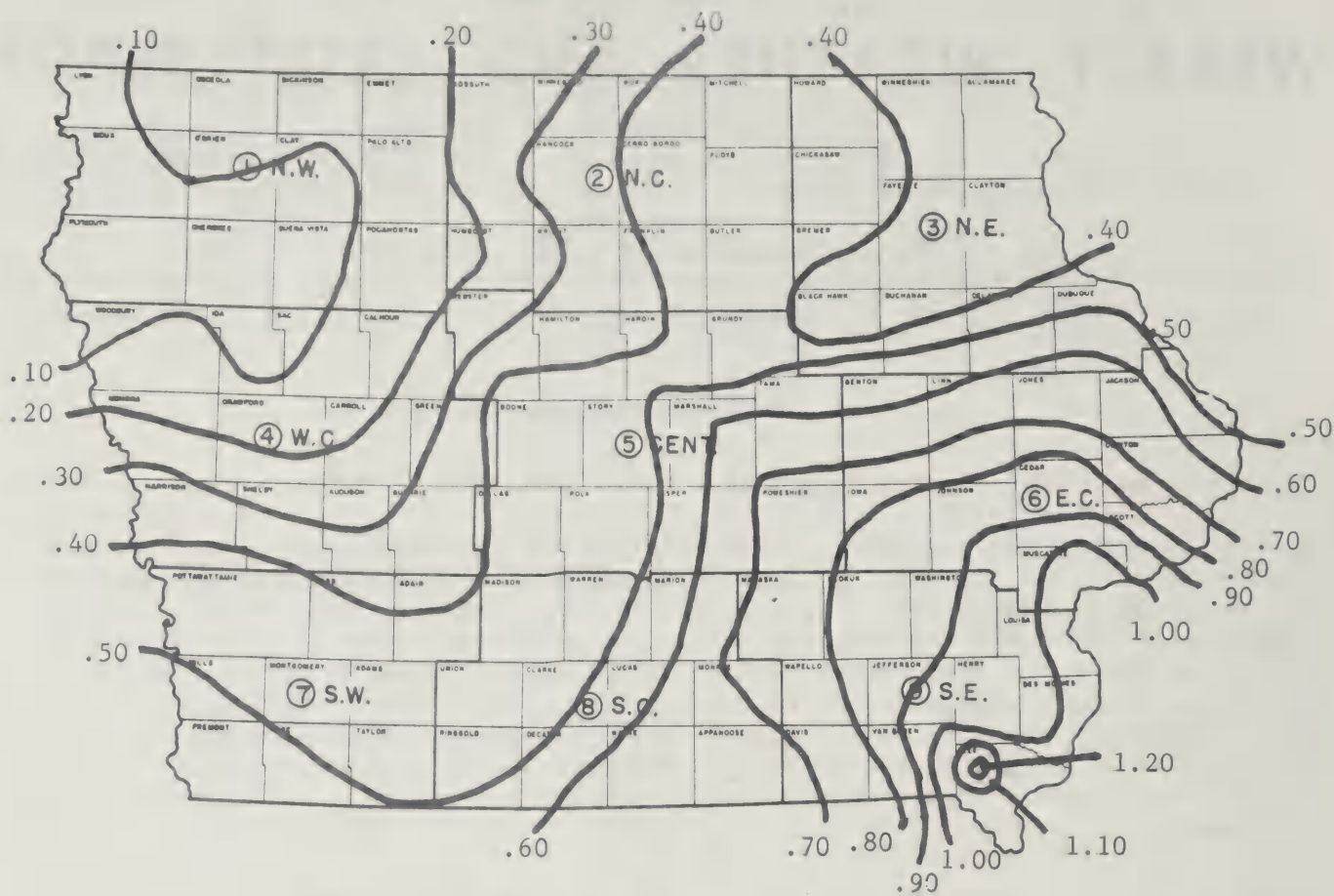
IOWA WEEKLY CROP SUMMARY

| Stage of Crop Progress and/or Development As of December 2, 1974 | Crop Reporting District | | | | | | | | | | 5 Yr. Ave. |
|--|-------------------------|----|----|----|----|----|----|----|----|-------|---------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | |
| Percent corn acreage harvested (for grain) | 99 | 97 | 87 | 97 | 96 | 83 | 95 | 88 | 86 | 93 | 89 |

(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

This is the final Weekly Crop and Weather Report for 1974. Weekly reports will be resumed in April 1975. The fine continued cooperation of our weekly crop and weather reporters have made this service possible for Iowa agriculture.

(OVER)



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 25 | -1 | +3 | +3 | 0.1 | -0.1 | -0.3 | -0.4 |
| 2-NC | 26 | 0 | +4 | +3 | 0.4 | +0.1 | -0.2 | -0.2 |
| 3-NE | 27 | -1 | +3 | +3 | 0.3 | 0.0 | -0.2 | -0.4 |
| 4-WC | 29 | -1 | +4 | +3 | 0.2 | 0.0 | -0.2 | -0.3 |
| 5-C | 29 | -1 | +3 | +2 | 0.5 | +0.2 | -0.1 | -0.1 |
| 6-EC | 29 | -2 | +2 | +1 | 0.8 | +0.4 | +0.2 | +0.4 |
| 7-SW | 31 | -1 | +5 | +3 | 0.4 | +0.2 | -0.1 | -0.1 |
| 8-SC | 31 | -2 | +3 | +2 | 0.6 | +0.3 | 0.0 | +0.4 |
| 9-SE | 30 | -4 | 0 | -1 | 0.9 | +0.6 | +0.4 | +0.6 |

*Departures are computed from 1941-70 normals.

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WEEKLY WEATHER AND CROP REPORT

Prepared jointly by

U. S. DEPARTMENT OF COMMERCE
NOAA - National Weather Service

U. S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service

In cooperation with

IOWA DEPARTMENT OF AGRICULTURE

121

74-21

Released Monday at 3:00 p.m., CDT, August 26, 1974

Des Moines, Iowa

Week Ending August 26, 1974

WEATHER: Temperatures averaged about 3 degrees above normal with several 90 degree and above readings at mid-week. Red Oak reported a state high of 95 degrees on the 20th. Low temperatures dipped into the 40's late in the week bringing the weeks average down with the lowest of 42 degrees being reported from Carroll on the morning of the 23rd. Locally heavy showers produced above normal amounts of precipitation northwest and extreme north central as well as southeast and extreme east central. Near to below normal amounts occurred elsewhere.

CROPS: Rains continued to improve the moisture situation and help crop growth last week. Statewide 5.0 days were suitable for fieldwork compared to the 1968-72 average of 6.0 days. Good maturing weather and the date of the first killing frost are the main concerns of most farmers now.

Corn: About 64 percent of the corn is in or past the dough stage compared to the average of 78 percent. Twenty-six percent of the corn is in or past the dent stage compared to the average of 39 percent. The corn condition ranges from poor in the west to good in the central and east. Some lodging has taken place in fields of weakened stalks as a result of recent weather.

Soybeans: The soybean condition is mostly good as leaves are just starting to turn. Eighty-six percent of the soybeans are setting pods compared to the average of 88 percent. Weed control is becoming a problem in many fields since the recent rains. Soybeans are generally in better condition than the corn although late and short.

Other Crops: Third cutting alfalfa is 32 percent complete and the second cutting clover is 66 percent complete. Pasture growth has been good although they are still short.

Moisture: Topsoil moisture is 13 percent short, 81 percent adequate and 6 percent surplus. Subsoil moisture is 21 percent short, 75 percent adequate and 4 percent surplus. There was some scattered hail damage last week.

IOWA WEEKLY CROP SUMMARY

| Stage of Crop Progress and/or Development as of August 26, 1974 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | 5 Yr. Ave. |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|---------------|
| Corn percent in dough stage | 80 | 64 | 55 | 70 | 65 | 56 | 67 | 60 | 60 | 64 | 78 |
| Corn percent in dent stage | 40 | 20 | 20 | 25 | 24 | 20 | 36 | 25 | 32 | 26 | 39 |
| Percent of soybeans podding | 98 | 90 | 87 | 92 | 86 | 74 | 95 | 76 | 70 | 86 | 88 |
| Days Suitable | 3.8 | 5.3 | 5.8 | 4.3 | 5.5 | 4.5 | 5.3 | 5.9 | 4.4 | 5.0 | 6.0 |

| Iowa Growing Degree Data - Week Ending August 23, 1974 | | | | | | | | | |
|--|----------|-------|-------------|-------|--------------|----------|-------|-------------|-------|
| Location | Last Wk. | Dep.* | Since May 1 | Dep.* | Location | Last Wk. | Dep.* | Since May 1 | Dep.* |
| Rock Rapids | 136 | - 5 | 2035 | - 58 | Boone | 153 | +10 | 2052 | -113 |
| Storm Lake | 132 | - 5 | 1914 | -121 | Cedar Rapids | 159 | +12 | 2105 | - 87 |
| Mason City | 146 | +12 | 2044 | + 37 | Clarinda | 165 | +13 | 2335 | + 7 |
| Fayette | 143 | + 9 | 1921 | - 83 | Corydon | 151 | - 3 | 2158 | -149 |
| Denison | 147 | + 3 | 2133 | - 15 | Fairfield | 155 | + 1 | 2157 | -174 |

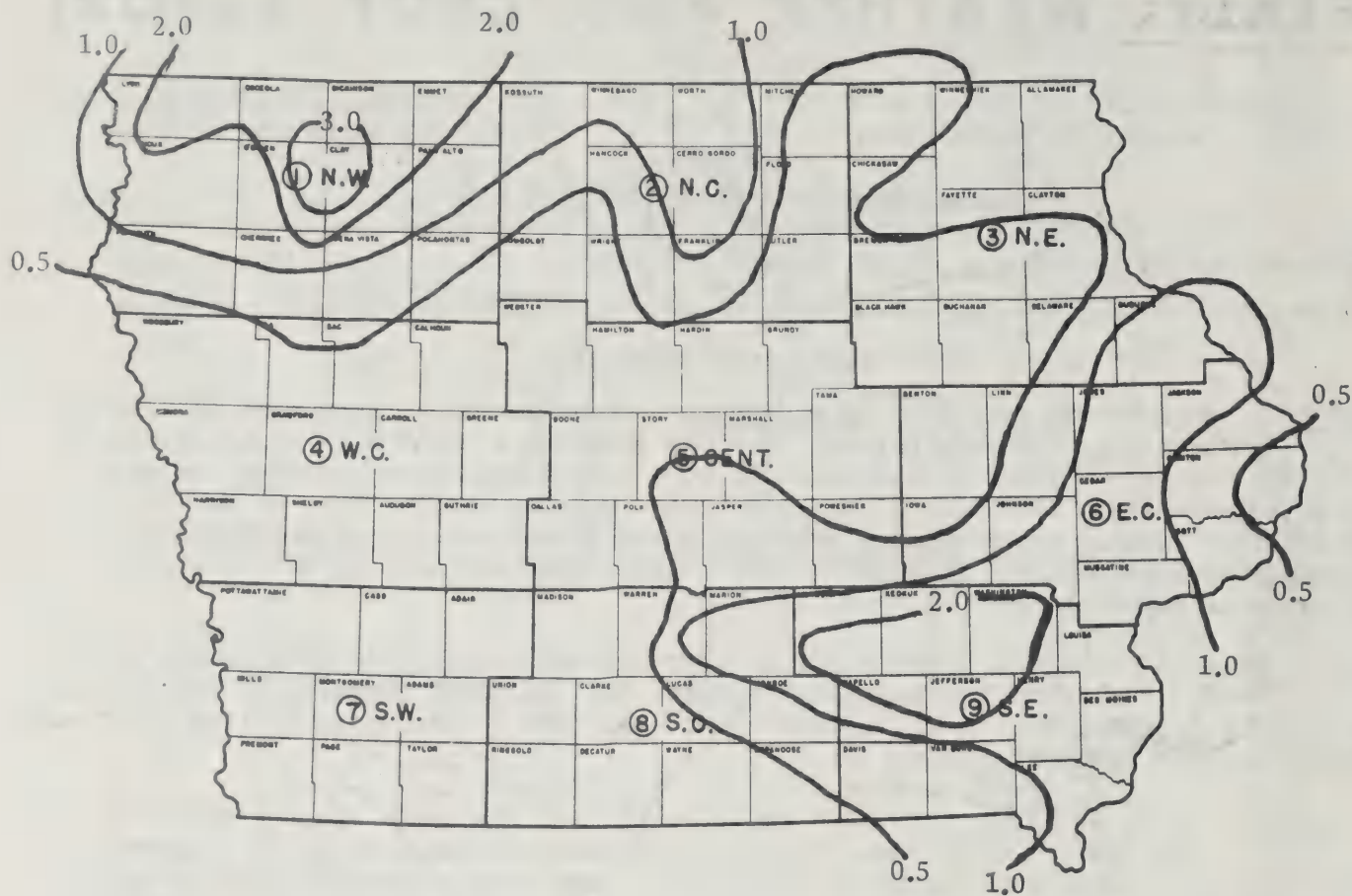
*Departures computed from 1941-70 normals.

(Crop and field developments are estimates through Monday based on reports of Correspondents through Saturday and weekly trends in similar seasons.)

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AT URBANA-CHAMPAIGN



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 71 | +3 | +2 | -2 | 2.0 | +1.3 | +1.3 | +1.6 |
| 2-NC | 71 | +3 | +2 | -2 | 0.8 | +0.1 | -0.4 | +1.0 |
| 3-NE | 72 | +4 | +2 | -1 | 0.5 | -0.2 | -0.8 | -1.0 |
| 4-WC | 73 | +3 | +2 | -2 | 0.2 | -0.6 | +0.5 | +1.3 |
| 5-C | 70 | +2 | +1 | -3 | 0.2 | -0.6 | -0.7 | +1.9 |
| 6-EC | 71 | +1 | +1 | -3 | 1.0 | +0.3 | +0.5 | +3.2 |
| 7-SW | 74 | +4 | +3 | -1 | 0.1 | -0.8 | +0.6 | -0.3 |
| 8-SC | 74 | +3 | +3 | -1 | 0.5 | -0.4 | +0.4 | -0.4 |
| 9-SE | 73 | +2 | +2 | -3 | 1.4 | +0.5 | +0.5 | +1.3 |

*Departures are computed from 1941-70 normals.

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WEEKLY WEATHER AND CROP REPORT

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NOAA - National Weather Service Statistical Reporting Service

In cooperation with
IOWA DEPARTMENT OF AGRICULTURE

121 74-22

Released Tuesday at 3:00 p.m., CDT, September 3, 1974 Des Moines, Iowa

Week Ending September 3, 1974

WEATHER: Showers were scattered across the State On Monday the 26th of August and again during the week end. Although several places in northern counties had local totals of 1 inch to 1½ inches, the average across the State was about ½ inch, which is about 0.3 inch below normal. Cool Canadian air masses predominated over the State during the week to give temperatures 2 to 6 degrees below normal. Warmest was 93 degrees on Monday the 26th at Council Bluffs, Sioux City, and Clarinda while the coolest was 38 degrees at Elkader on the 30th.

CROPS: Cool weather the past week slowed crop growth and is delaying maturity for both corn and soybeans. Frost damage from the low temperature of September 3 is expected to be light. Statewide 6.2 days were suitable for fieldwork compared to the 1968-72 average of 6.0 days as farmers are working on hay harvests and beginning to cut ensilage.

Corn: Nearly 75 percent of the corn is in or past the dough stage compared to the average of 82 percent. Forty-four percent of the corn is in or past the dent stage compared to the average of 68 percent. The corn condition is mostly fair to good with some lodging occurring now.

Soybeans: Ninety percent of the soybeans are setting pods compared to the average of 94 percent. Leaves are turning on 10 percent compared to the average of 25 percent. Weeds continue to be a problem although the soybean condition in most areas is good. The outlook for soybeans remains better than that for corn, although low areas may have suffered frost damage Monday night.

Other Crops: Third cutting alfalfa is 48 percent complete with yields fair to good. Second cutting clover is 75 percent complete. Pastures are green and growing well and are being utilized for feed more now.

Moisture: Topsoil moisture is 18 percent short, 81 percent adequate and 1 percent surplus and subsoil moisture is 25 percent short, 73 percent adequate and 2 percent surplus.

IOWA WEEKLY CROP SUMMARY

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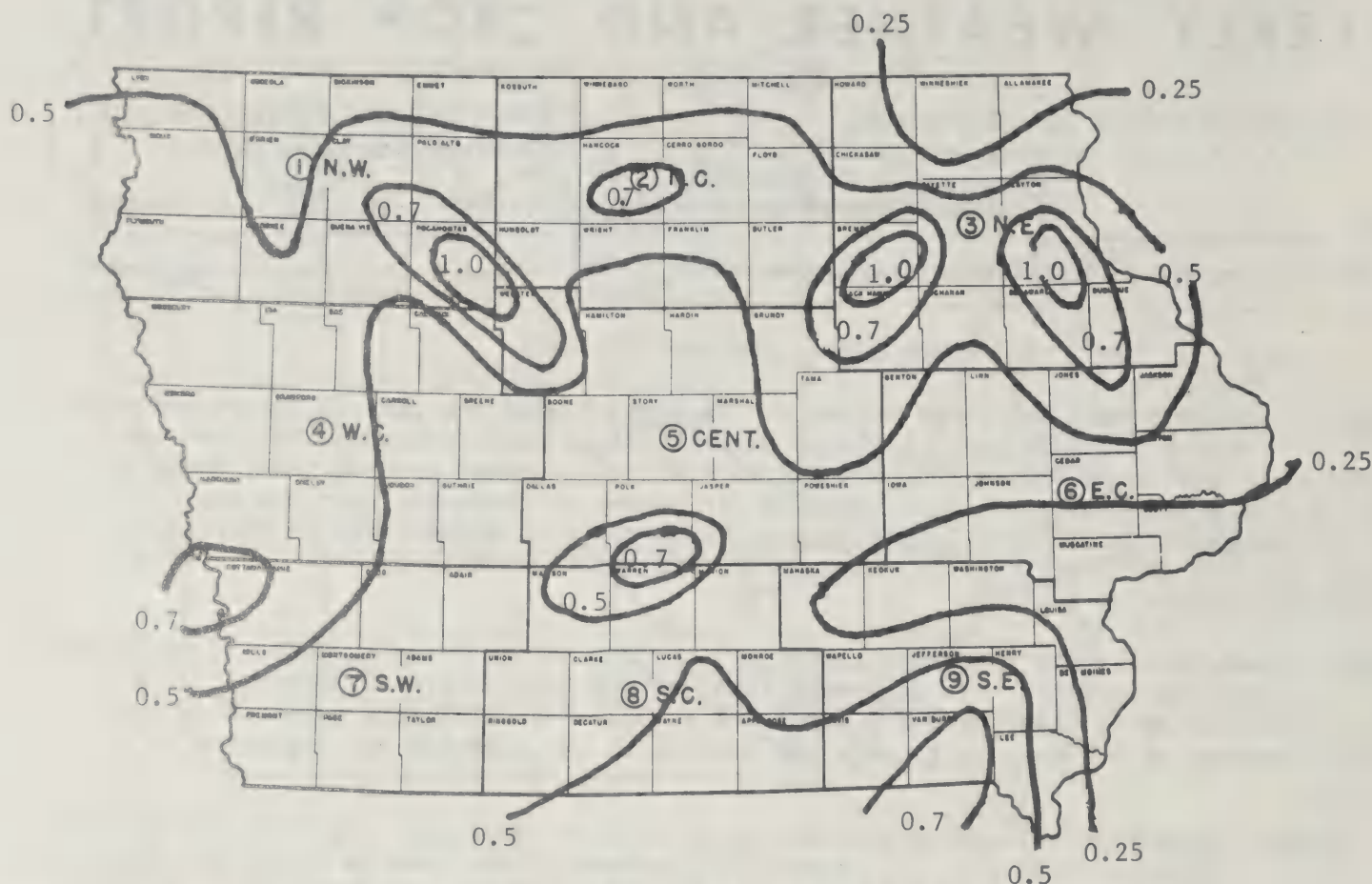
| Stage of Crop Progress and/or Development as of September 3, 1974 | UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN | | | | | | | | | | 5 Yr. Ave. |
|---|---|-----|-----|-----|-----|-----|-----|-----|-----|-------|---------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | |
| Corn percent in dough stage | 85 | 74 | 70 | 79 | 75 | 65 | 75 | 72 | 75 | 75 | 82 |
| Corn percent in dent stage | 54 | 35 | 35 | 55 | 48 | 35 | 44 | 38 | 48 | 44 | 68 |
| Percent of soybeans podding | 99 | 95 | 88 | 95 | 94 | 82 | 96 | 85 | 78 | 90 | 94 |
| Days Suitable | 6.3 | 6.5 | 6.0 | 5.9 | 6.3 | 6.3 | 6.8 | 6.5 | 5.5 | 6.2 | 6.0 |

Iowa Growing Degree Data - Week Ending August 30, 1974

| Location | Last Wk. | Dep.* | Since May 1 | Dep.* | Location | Last Wk. | Dep.* | Since May 1 | Dep.* |
|--------------|----------|-------|-------------|-------|--------------|----------|-------|-------------|-------|
| Rock Rapids | 112 | -29 | 2147 | - 87 | Boone | 113 | -29 | 2165 | -142 |
| Pocahontas | 103 | -33 | 2017 | -154 | Cedar Rapids | 121 | -24 | 2226 | -111 |
| Charles City | 120 | -14 | 2164 | + 23 | Clarinda | 137 | -14 | 2472 | - 7 |
| Elkader | 101 | -33 | 2022 | -116 | Mt. Ayr. | 142 | -11 | 2300 | -160 |
| Denison | 119 | -25 | 2252 | - 40 | Fairfield | 128 | -24 | 2285 | -198 |

* Departures computed from 1941-70 normals.

(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 61 | -5 | -1 | -1 | 0.6 | -0.1 | +1.2 | +1.6 |
| 2-NC | 60 | -6 | -2 | -1 | 0.5 | -0.3 | -0.2 | +0.7 |
| 3-NE | 61 | -4 | 0 | 0 | 0.7 | -0.1 | -0.3 | -0.6 |
| 4-WC | 63 | -5 | -1 | -1 | 0.5 | -0.3 | -0.9 | +0.4 |
| 5-C | 63 | -4 | -1 | -1 | 0.5 | -0.3 | -0.9 | +1.1 |
| 6-EC | 64 | -4 | -2 | -2 | 0.3 | -0.5 | -0.2 | +2.0 |
| 7-SW | 66 | -3 | +1 | 0 | 0.4 | -0.5 | -1.3 | -0.1 |
| 8-SC | 67 | -2 | +1 | +1 | 0.5 | -0.4 | -0.8 | -0.1 |
| 9-SE | 66 | -3 | -1 | -1 | 0.5 | -0.3 | +0.2 | +1.2 |

*Departures are computed from 1941-70 normals.

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121 IOWA DEPARTMENT OF AGRICULTURE 74-23

Released Monday at 3:00 p.m., CDT, September 9, 1974 Des Moines, Iowa

Week Ending September 9, 1974

WEATHER: Temperatures averaged from 3 degrees below normal northwest to 8 degrees below normal southeast. Record breaking cold covered the State Tuesday and Wednesday morning with scattered frost, mostly in northern sections. Warm weather entered the State over the weekend. Extremes for the week were 28 degrees at Carroll on the 3rd and 86 degrees at Sioux City on the 7th and 8th. Precipitation was also below normal with only the extreme southeast and extreme northwest receiving in excess of ½ inch. Showers were reported in the southeast on the 2nd, and over the State on the 6th and in the northwest the night of the 7th.

CROPS: The cool weather that has slowed crop growth eased over the weekend. Frost damage from September 3 and 4 was light in most areas although the northwest district received heavier damage, as leaves were killed on some corn and the tops of some bean plants were damaged. Statewide 5.8 days were suitable for fieldwork compared to the 1968-72 average of 5.6 days.

Corn: Over 82 percent of the corn is in or past the dough stage while 58 percent is in or past the dent stage compared to the average of 81 percent. Corn mature and safe from frost 25 percent compared to the average of 35 percent. The corn still needs 2-3 weeks to mature.

Soybeans: Podding is completed on most of the soybeans as leaves are starting to turn on 26 percent of the plants, average is 44 percent. The leaves are starting to shed on some earlier planted beans. Weeds and lodging continue to be a problem and another 2-4 weeks is needed for soybeans to mature.

Other Crops: Planting of winter wheat has started and is about 10 percent complete. Third cutting alfalfa is 64 percent complete and second cutting clover is nearing completion with yields fair to good. Topsoil moisture is 17 percent short, 80 percent adequate and 3 percent surplus.

IOWA WEEKLY CROP SUMMARY

| Stage of Crop Progress and/or Development as of September 9, 1974 | Crop Reporting District | | | | | | | | | | 5 Yr. Ave. |
|---|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|---------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | |
| Corn percent in or past dent stage | 76 | 58 | 54 | 64 | 66 | 45 | 58 | 52 | 50 | 58 | 81 |
| Corn mature | 34 | 25 | 14 | 30 | 35 | 10 | 34 | 20 | 24 | 25 | 35 |
| Percent of soybeans with leaves turning | 58 | 24 | 20 | 26 | 19 | 18 | 25 | 12 | 14 | 26 | 44 |
| Days Suitable | 6.1 | 6.3 | 6.7 | 5.5 | 5.8 | 5.5 | 5.7 | 4.8 | 4.5 | 5.8 | 5.6 |

Iowa Growing Degree Data - Week Ending September 6, 1974

| Location | Last Wk. | Dep.* | Since May 1 | Dep.* | Location | Last Wk. | Dep.* | Since May 1 | Dep.* |
|--------------|----------|-------|-------------|-------|--------------|----------|-------|-------------|-------|
| Rock Rapids | 62 | -64 | 2209 | -151 | Boone | 67 | -64 | 2232 | -206 |
| Storm Lake | 57 | -66 | 2074 | -220 | Cedar Rapids | 67 | -68 | 2293 | -179 |
| Charles City | 60 | -62 | 2224 | - 39 | Clarinda | 65 | -76 | 2537 | - 83 |
| Fayette | 57 | -65 | 2079 | -181 | Corydon | 52 | -91 | 2352 | -251 |
| Denison | 53 | -77 | 2305 | -117 | Fairfield | 58 | -85 | 2343 | -283 |

*Departures computed from 1941-70 normals.

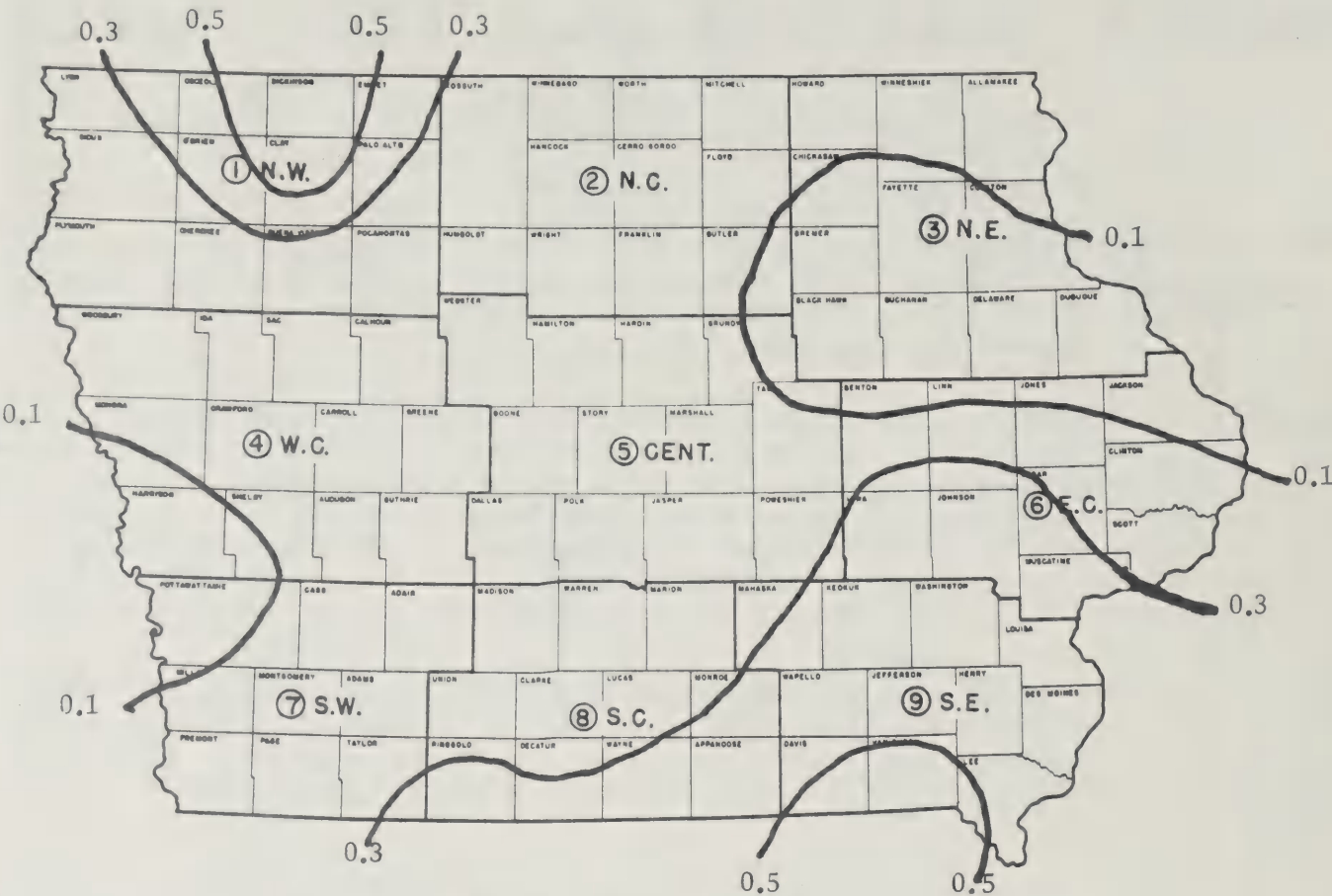
(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

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AT URBANA CHAMPAIGN



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 61 | -3 | -4 | -1 | 0.3 | -0.4 | -0.5 | +0.8 |
| 2-NC | 58 | -5 | -6 | -2 | 0.2 | -0.6 | -0.9 | -1.3 |
| 3-NE | 58 | -5 | -5 | -1 | 0.2 | -0.6 | -0.7 | -1.5 |
| 4-WC | 60 | -5 | -5 | -2 | 0.2 | -0.6 | -0.9 | -0.4 |
| 5-C | 59 | -6 | -5 | -2 | 0.2 | -0.6 | -0.9 | -1.6 |
| 6-EC | 58 | -8 | -6 | -3 | 0.3 | -0.6 | -1.1 | -0.6 |
| 7-SW | 60 | -6 | -5 | -1 | 0.2 | -0.7 | -1.2 | -0.6 |
| 8-SC | 60 | -6 | -4 | -1 | 0.3 | -0.7 | -1.1 | -0.7 |
| 9-SE | 59 | -8 | -6 | -2 | 0.4 | -0.6 | -0.9 | -0.4 |

*Departures are computed from 1941-70 normals.

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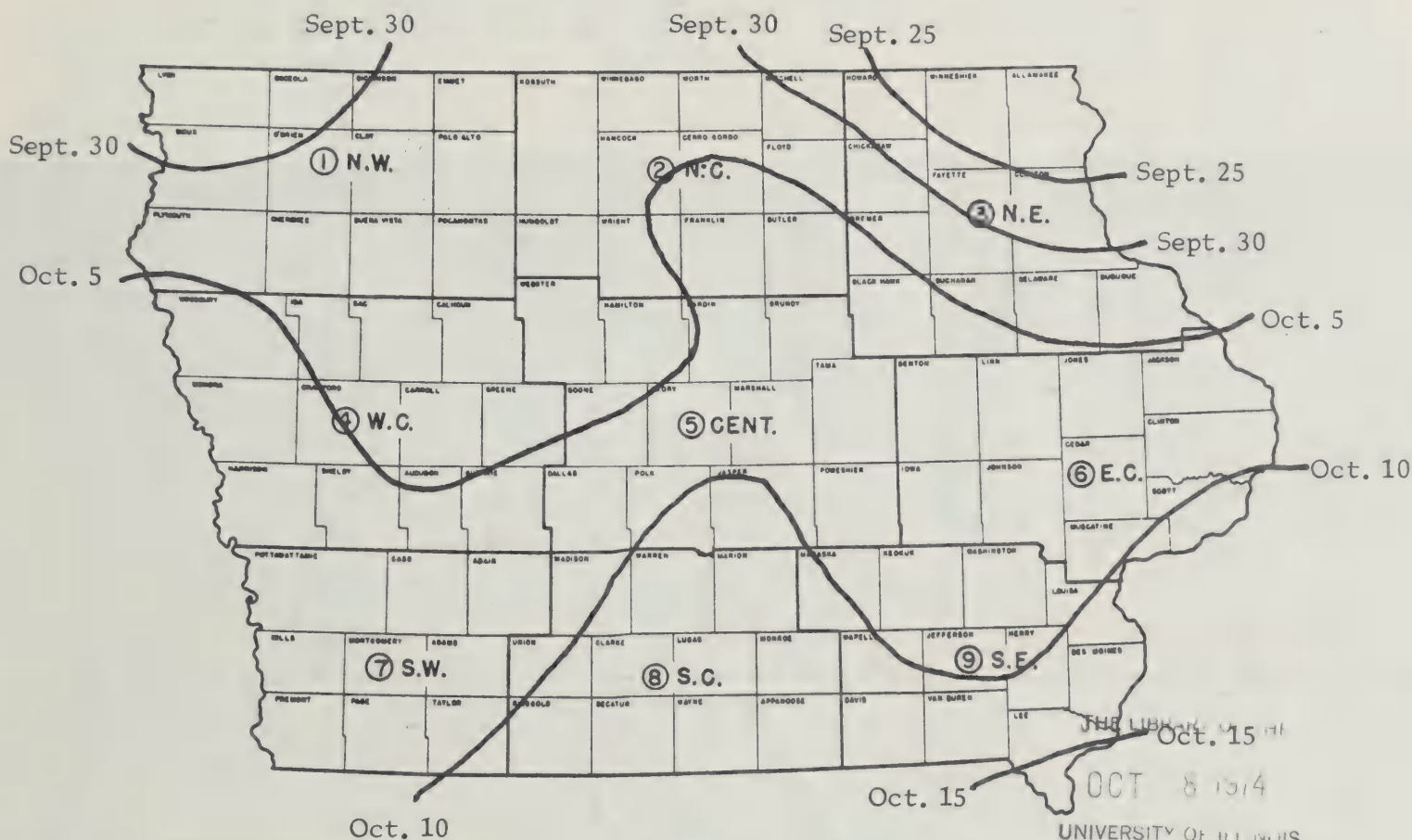
IOWA DEPARTMENT OF AGRICULTURE

121

Supplement to the Iowa Weekly Weather and Crop Report
September 9, 1974

Des Moines, Iowa

IOWA AVERAGE DATE OF FIRST 32° FREEZE IN FALL (1941-70)



The recent below freezing temperatures created considerable interest in average freeze dates for Iowa. The map portrays the average dates of the first 32° freeze. Scattered frost normally occurs a week or two earlier over lowland and some rural areas, usually on calm clear nights. The below freezing temperatures on September 3 and 4 in many parts of the State were about a month ahead of average. The 50-50 chance of 32° as shown on the map indicates a general freeze sufficient to chill the air to the thermometer levels (as five feet above the ground). If you want to figure your odds of earlier freeze (32°), to as early as one year in five subtract ten days from the dates shown on the map.

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IOWA DEPARTMENT OF AGRICULTURE

74-24

Released Monday at 3:00 p.m., CDT, September 16, 1974

Des Moines, Iowa

Week Ending September 16, 1974

WEATHER: A cool front moved across the state giving rain and scattered thundershowers on Wednesday and Thursday and changing from a warm spell at start of week to cool for the weekend. Temperatures averaged near normal east to 2 degrees below northwest. Extremes reported were 88 degrees at Red Oak on the 9th and at Fort Dodge on the 10th, and 31 degrees at Indianola on the 13th. There was scattered light frost in north and central sections on Friday and Saturday mornings. Rainfall amounts were below normal in the north and above normal south. Killduff had 2.22 inches and Pella had 2.09 inches.

CROPS: Crops are maturing slowly as cool weather continued most of last week. Mid-week rains helped crops, mainly legumes and pastures, and improved soil for fall plowing. Statewide 5.1 days were suitable for fieldwork compared to the 1968-72 average of 5.0 days.

Corn: Seventy-four percent of the corn has reached the dent stage while normally over 90 percent is dented. About 46 percent of the corn is safe from frost compared to the average of 60 percent. Corn is in mostly fair to good condition.

Soybeans: Leaves are turning on 43 percent of the soybeans and are shedding on 16 percent compared to the average of 40 percent. Eighteen percent of the soybeans are safe from frost compared to the average of 32 percent. Weeds will cause harvesting problems in many fields.

Other Crops: Winter wheat planted is 12 percent complete. Third cutting alfalfa is 70 percent complete with fair yields.

Moisture: Topsoil moisture is 12 percent short, 80 percent adequate and 8 percent surplus.

IOWA WEEKLY CROP SUMMARY

| Stage of Crop Progress and/or Developemnt as of September 16, 1974 | Crop Reporting District | | | | | | | | | | 5 Yr. Ave. |
|--|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|---------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | |
| Corn percent in or past dent stage | 98 | 68 | 62 | 82 | 77 | 70 | 84 | 64 | 65 | 74 | --- |
| Corn mature | 69 | 41 | 28 | 50 | 50 | 36 | 62 | 30 | 48 | 46 | 60 |
| Percent of soybeans with leaves turning | 82 | 48 | 36 | 54 | 36 | 25 | 52 | 22 | 18 | 43 | --- |
| Days suitable | 4.7 | 5.4 | 5.4 | 5.0 | 4.9 | 5.1 | 5.2 | 5.1 | 5.1 | 5.1 | 5.0 |

Iowa Growing Degree Data - Week Ending September 13, 1974

| Location | Last Wk. | Dep.* | Since May 1 | Dep.* | Location | Last Wk. | Dep.* | Since May 1 | Dep.* |
|-------------|----------|-------|-------------|-------|--------------|----------|-------|-------------|-------|
| Rock Rapids | 101 | - 3 | 2310 | -154 | Boone | 104 | - 6 | 2336 | -212 |
| Storm Lake | 103 | + 1 | 2177 | -219 | Cedar Rapids | 127 | +13 | 2420 | -166 |
| Mason City | 106 | + 4 | 2330 | - 35 | Clarinda | 123 | 0 | 2660 | - 83 |
| Fayette | 104 | + 1 | 2183 | -180 | Corydon | 103 | -21 | 2455 | -272 |
| Denison | 103 | - 8 | 2408 | -125 | Fairfield | 111 | -12 | 2454 | -295 |

* Departures computed from 1941-70 normals.

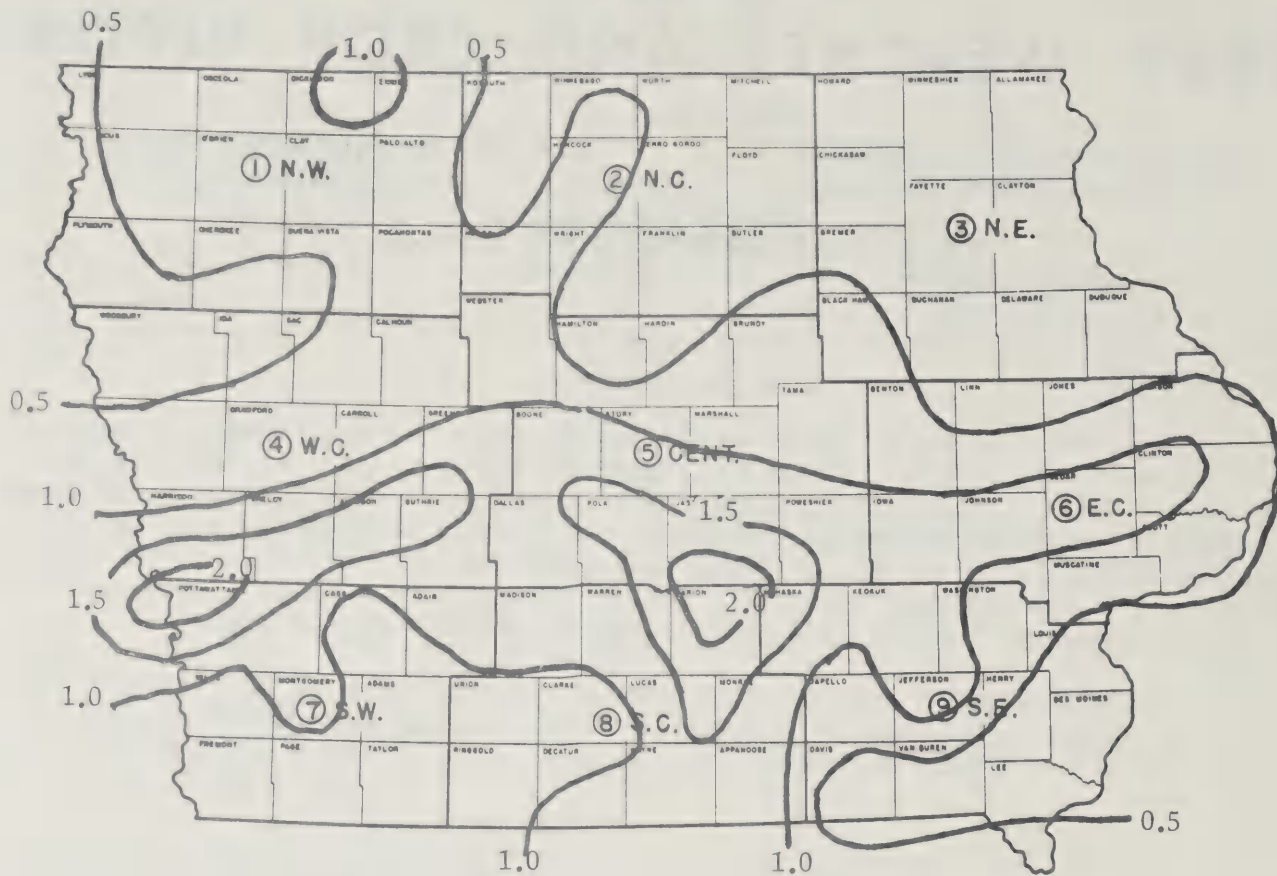
(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

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WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 59 | -2 | -3 | -2 | 0.7 | -0.1 | -0.5 | +0.7 |
| 2-NC | 60 | -1 | -3 | -2 | 0.5 | -0.3 | -0.9 | -1.1 |
| 3-NE | 61 | 0 | -3 | -1 | 0.3 | -0.6 | -1.2 | -1.5 |
| 4-WC | 60 | -3 | -4 | -3 | 0.9 | +0.2 | -0.4 | -1.3 |
| 5-C | 61 | -2 | -4 | -3 | 1.0 | +0.2 | -0.4 | -1.3 |
| 6-EC | 63 | 0 | -4 | -3 | 0.8 | -0.1 | -0.7 | -0.9 |
| 7-SW | 62 | -2 | -4 | -2 | 0.8 | -0.1 | -0.8 | -2.1 |
| 8-SC | 64 | 0 | -3 | -1 | 1.1 | +0.2 | -0.5 | -1.3 |
| 9-SE | 64 | -1 | -5 | -3 | 0.7 | -0.2 | -0.8 | -0.6 |

*Departures are computed from 1941-70 normals.

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IOWA

WEEKLY WEATHER AND CROP REPORT

Prepared jointly by

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NOAA - National Weather Service

U. S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service

In cooperation with

121 IOWA DEPARTMENT OF AGRICULTURE 74-25

Released Monday at 3:00 p.m., CDT, September 23, 1974

Des Moines, Iowa

Week Ending September 23, 1974

WEATHER: This was the 4th successive week with below normal precipitation and below normal temperatures. After a mild cloudless first part of week, the latter part turned colder with variable cloudiness which included some sprinkles or very light showers scattered across the State on Thursday and Friday. Record low temperatures with frost or freeze were set across central and northern sections early Sunday, the 22nd, and again extreme northeast early Monday. Extremes were from 91 degrees at Red Oak on 18th down to 26 degrees at Mason City, Spencer, and Waterloo on the 22nd. Only widely scattered places had a measureable amount of rain, less than 0.10 inch.

CROPS: The week was favorable for corn and soybean maturity and for other farm activities. Silage harvest is well under way. Statewide, 6.8 days were suitable for field-work compared to the 1968-72 average of 4.5 days. Frost on the nights of 21 and 22 damaged late planted corn and soybeans, mainly in the north, central and eastern parts of the State. Damage to crops is still being assessed.

Corn: Eighty-three percent of the corn has reached the dent stage, while normally, except for some late fields, most has dented by this time. Sixty-two percent of the corn is safe from frost compared with the average of 75 percent. A few scattered fields of seed corn have been harvested.

Soybeans: Leaves are shedding on 50 percent of the soybean fields. Normally most fields are shedding leaves at this date. Forty-four percent of the soybean fields are safe from frost compared to an average of 64 percent. There were a few scattered reports of some early fields being harvested. Weeds are a problem in many fields.

Other Crops: Winter wheat is 36 percent seeded. Third cutting of alfalfa hay is 82 percent completed. Yields are fair but quality good.

Soil Moisture: Topsoil moisture is 24 percent short and 76 percent adequate.

IOWA WEEKLY CROP SUMMARY

| Stage of Crop Progress and/or Development As of September 23, 1974 | Crop Reporting District | | | | | | | | | | 5 Yr. Ave. |
|--|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|---------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | |
| | | | | | | | | | | | |
| Corn percent in or past dough stage | 99 | 78 | 70 | 90 | 86 | 78 | 92 | 72 | 75 | 83 | -- |
| Corn mature | 81 | 58 | 45 | 65 | 65 | 51 | 80 | 47 | 65 | 62 | 75 |
| Percent of soybeans with leaves turning | 88 | 56 | 44 | 63 | 44 | 34 | 60 | 30 | 27 | 50 | -- |
| Days suitable | 7.0 | 7.0 | 6.8 | 6.9 | 6.8 | 6.5 | 6.8 | 7.0 | 6.7 | 6.8 | 4.5 |

Iowa Growing Degree Data - Week Ending September 20, 1974

| Location | Last Wk. | Dep.* | Since May 1 | Dep.* | Location | Last Wk. | Dep.* | Since May 1 | Dep.* |
|-------------|----------|-------|-------------|-------|--------------|----------|-------|-------------|-------|
| Rock Rapids | 92 | + 2 | 2402 | -152 | Boone | 99 | - 1 | 2435 | -213 |
| Storm Lake | 92 | + 3 | 2269 | -216 | Cedar Rapids | 95 | - 7 | 2515 | -173 |
| Osage | 88 | 0 | 2418 | - 35 | Clarinda | 108 | - 2 | 2768 | - 85 |
| Fayette | 82 | - 8 | 2265 | -188 | Corydon | 100 | -11 | 2555 | -283 |
| Denison | 103 | + 7 | 2511 | -118 | Fairfield | 105 | - 7 | 2559 | -302 |

*Departures computed from 1941-70 normals.

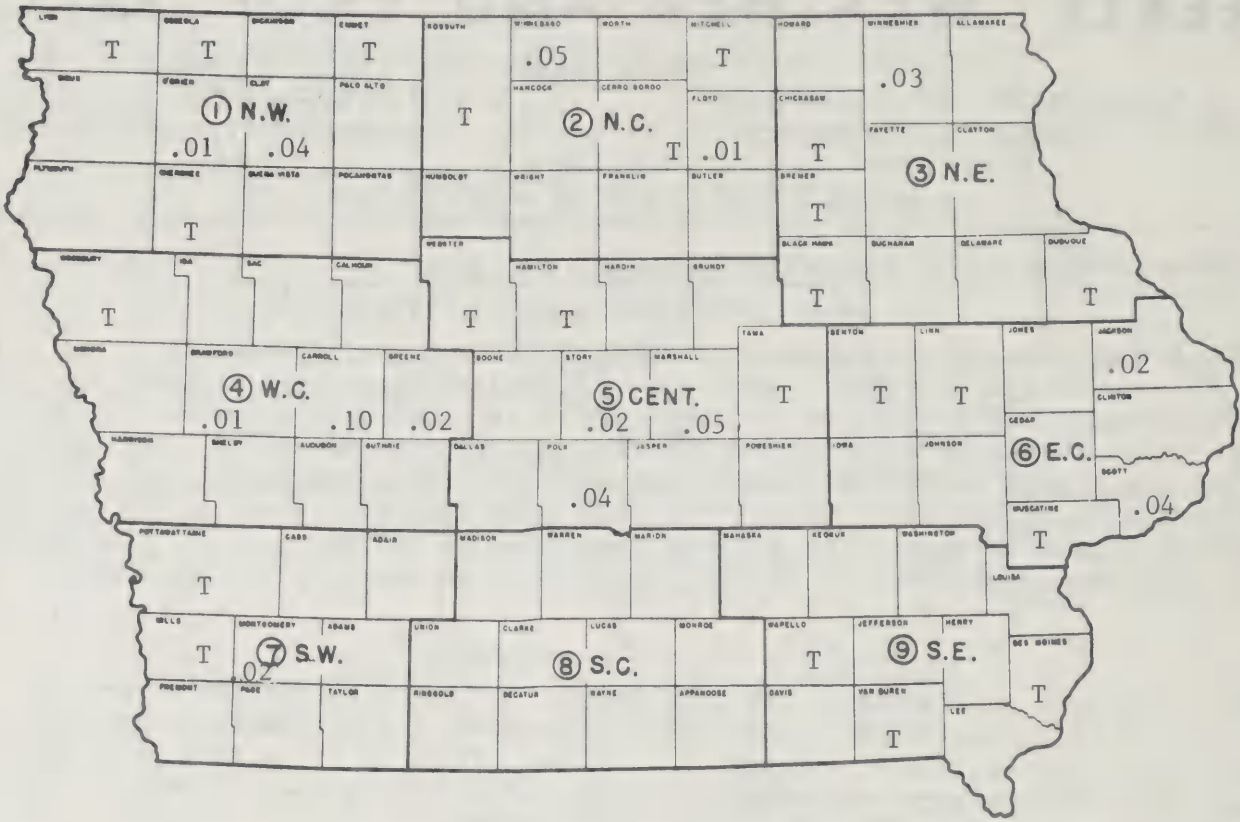
(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

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WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|------------|--------------|--------------|------------------------|------------|--------------|--------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 58 | -1 | -2 | -3 | T | -0.7 | -0.8 | -1.3 |
| 2-NC | 57 | -1 | -1 | -3 | T | -0.7 | -1.0 | -1.9 |
| 3-NE | 56 | -3 | -2 | -3 | T | -0.9 | -1.5 | -2.2 |
| 4-WC | 61 | 0 | -2 | -3 | T | -0.7 | -0.5 | -1.4 |
| 5-C | 60 | -1 | -2 | -3 | T | -0.7 | -0.5 | -1.4 |
| 6-EC | 59 | -2 | -1 | -4 | T | -0.9 | -1.0 | -2.1 |
| 7-SW | 62 | 0 | -1 | -3 | T | -0.8 | -0.9 | -2.1 |
| 8-SC | 62 | 0 | 0 | -2 | 0 | -0.9 | -0.7 | -1.8 |
| 9-SE | 62 | -1 | -1 | -3 | T | -0.9 | -1.1 | -2.0 |

*Departures are computed from 1941-70 normals.

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WEEKLY WEATHER AND CROP REPORT

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In cooperation with
IOWA DEPARTMENT OF AGRICULTURE

121 74-26

Released Monday at 3:00 p.m., CDT, September 30, 1974 Des Moines, Iowa

Week Ending September 30, 1974

WEATHER: There were pleasant sunny days during the week until a cold front dropped temperatures on the weekend and also gave rain and a few thundershowers to central and eastern portions of the State on Saturday. Temperatures averaged slightly above normal with extremes of a high of 90 degrees at Red Oak and Glenwood on the 26th to a low of 29 degrees at Spencer on the 29th and also the 30th. Although several places in central Iowa received more than one inch of rainfall the week was below normal continuing the general deficit of the last five to six weeks. Waterloo had 1.35 inches and Popejoy had 1.32 inches for the greatest reported amount.

CROPS: Weather was good for drying crops this past week as 6.9 days were suitable for fieldwork compared to the 1968-72 average of 4.5 days. Frost from the nights of September 21 and 22 has stopped growth in the northern two-thirds of the state and has killed or topped plants in low-lying areas of the southern third. Some yield loss will occur because of the killing frost. Cutting of ensilage continued and soybean harvest started last week along with the harvest of some high moisture corn.

Corn: Eighty-six percent of the corn is in or past the dent stage with growth continuing only in the southern third of Iowa where maturity had reached dent stage for 95 percent of acreage for district 7, 78 percent for district 8 and 86 percent for district 9. Corn safe from frost in district 7 is 82 percent, district 8 is 62 percent and district 9 is 67 percent. Killing frost has stopped growth in the other six districts. Cutting of ensilage continues over most of the state with more corn than anticipated being cut for ensilage.

Soybeans: Seventy-five percent of the soybeans are shedding as shedding was accelerated after the frost. Frost damage to soybeans will be greater than damage to corn as only 44 percent of the soybeans were mature statewide at the time of the frost. Soybeans safe from frost in district 7 is at 55 percent, district 8 at 38 percent and 35 percent in district 9, while growth was stopped by killing frost in the other six districts. Harvest is starting in most areas. There is more late planted beans being cut for hay than normal because of the unexpected weather conditions. Undeveloped beans have caused a harvesting problem.

Other Crops: Winter wheat seeding is 40 percent complete and fall plowing for other crops is underway.

Moisture: Topsoil moisture is 41 percent short and 59 percent adequate, subsoil moisture is 29 percent short, 70 percent adequate and 1 percent surplus.

Iowa Growing Degree Data - Week Ending September 27, 1974

| Location | Last Wk. | Dep.* | Since May 1 | Dep.* | Location | Last Wk. | Dep.* | Since May 1 | Dep.* |
|-------------|----------|-------|-------------|-------|--------------|----------|-------|-------------|-------|
| Rock Rapids | 18 | -57 | 2420 | -209 | Boone | 20 | -63 | 2455 | -276 |
| Storm Lake | 20 | -55 | 2289 | -271 | Cedar Rapids | 13 | -71 | 2528 | -244 |
| Mason City | 17 | -55 | 2435 | - 90 | Shenandoah | 92 | - 2 | 2860 | - 87 |
| Fayette | 15 | -58 | 2280 | -246 | Corydon | 78 | -16 | 2633 | -299 |
| Denison | 12 | -69 | 2523 | -187 | Fairfield | 71 | -24 | 2630 | -326 |

* Departures computed from 1941-70 normals.

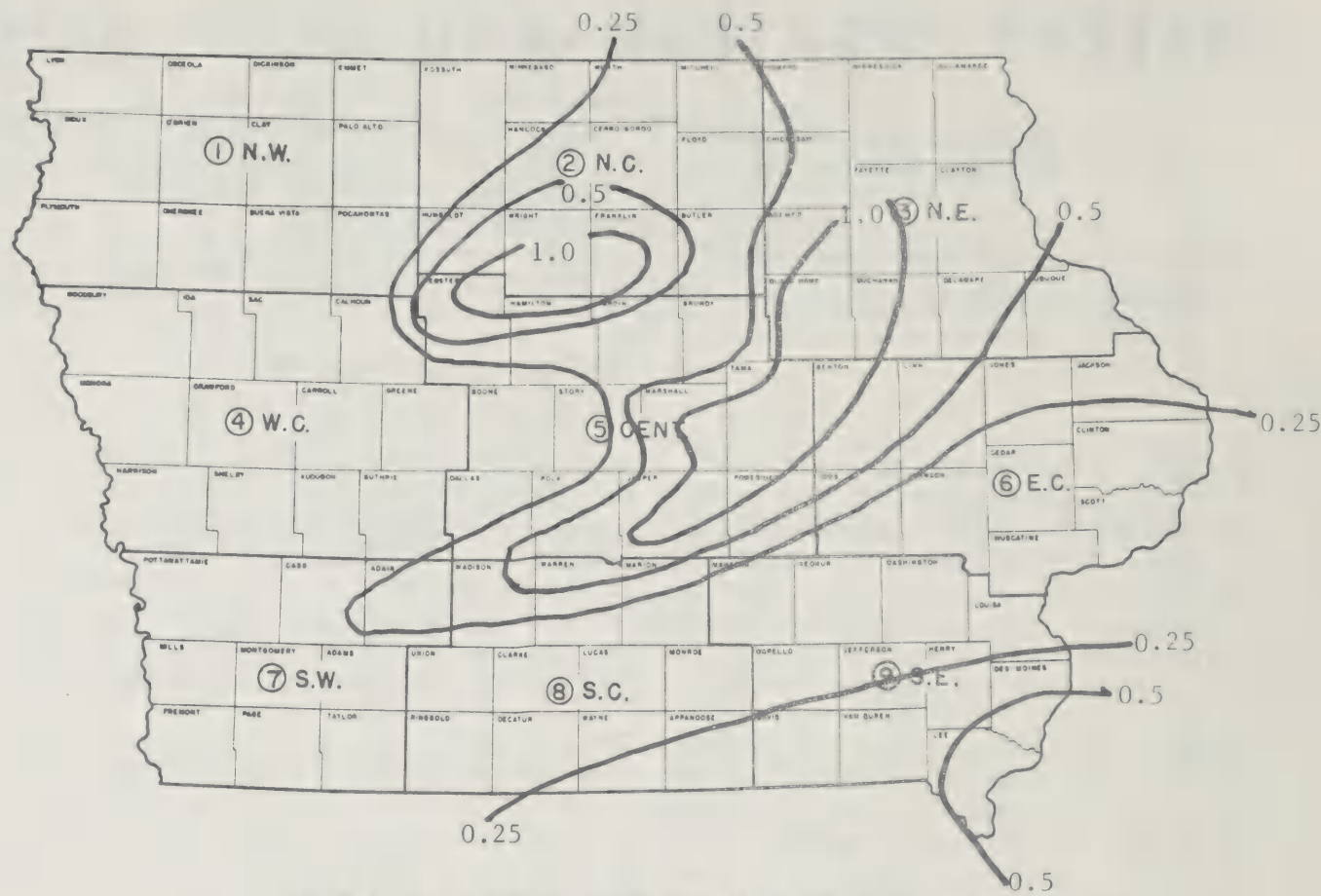
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WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 59 | +2 | +1 | -1 | T | -0.6 | -1.3 | -1.8 |
| 2-NC | 59 | +2 | +1 | -1 | 0.4 | -0.2 | -0.9 | -1.8 |
| 3-NE | 59 | +2 | -1 | -2 | 0.7 | -0.1 | -1.0 | -2.2 |
| 4-WC | 60 | +1 | +1 | -2 | T | -0.6 | -1.3 | -1.7 |
| 5-C | 60 | +1 | 0 | -2 | 0.7 | 0.0 | -0.7 | -1.1 |
| 6-EC | 59 | 0 | -1 | -3 | 0.2 | -0.6 | -1.5 | -2.2 |
| 7-SW | 62 | +2 | +1 | -2 | 0.1 | -0.7 | -1.5 | -2.3 |
| 8-SC | 61 | +1 | +1 | -1 | 0.2 | -0.6 | -1.5 | -2.0 |
| 9-SE | 60 | -1 | -1 | -3 | 0.3 | -0.5 | -1.4 | -2.2 |

*Departures are computed from 1941-70 normals.

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IOWA DEPARTMENT OF AGRICULTURE

74-27

Released Monday at 3:00 p.m., CDT, October 7, 1974

Des Moines, Iowa

Week Ending October 7, 1974

WEATHER: Record breaking cold blanketed the State with one of the earliest hard freezes Wednesday morning October 2. Lowest reported was 17 degrees at Spencer. There was moderation by Thursday and Friday with highest temperatures of the week reported at Sioux City and Cedar Rapids with 80 degrees on the 3rd and 4th respectively. Cold air returned Sunday to make several new records for Monday morning October 7. The week averaged 8 degrees below normal. Temperatures have been generally below normal for the last 2 months. More than half of the week had sunshine. Rain with a few thundershowers came between Friday night and Sunday morning giving eastern sections their first above normal amounts of precipitation in 6 to 8 weeks. Western sections continued to have below normal amounts. Greatest reported was 2.21 inches at Garber and 2.02 inches at Independence.

CROPS: A killing frost occurred October 1 and 2 that ended crop growth for this season in Iowa. There was good drying weather during the week as 6.4 days were suitable for fieldwork, compared with the 1968-72 average of 5.0 days. Soybean harvest is in full swing with corn, grain sorghum and popcorn harvests just beginning. Many immature fields are causing a higher percent of corn to be cut for silage and more soybeans to be utilized for hay.

Corn: Corn for grain harvest has started and is 5 percent complete compared to the average of 11 percent. Many fields, especially in the east and south, were immature at the time of the killing frosts. This will cause lower test weights, smaller kernels and a subsequent reduction in yields.

Soybeans: Soybean harvest is 30 percent complete compared to the average of 27 percent. Harvest is progressing very rapidly, especially in the Western, North Central and Central Districts. Problems are developing with shattering of the more mature beans from the top of plants as the bottom beans need more drying time. Many soybean fields frosted while still green will result in green and very small beans.

Other Crops: Winter wheat is 60 percent seeded. Grain sorghum and popcorn harvest is underway and 10 percent complete. Fall plowing is progressing well. Topsoil moisture is 56 percent short and 44 percent adequate.

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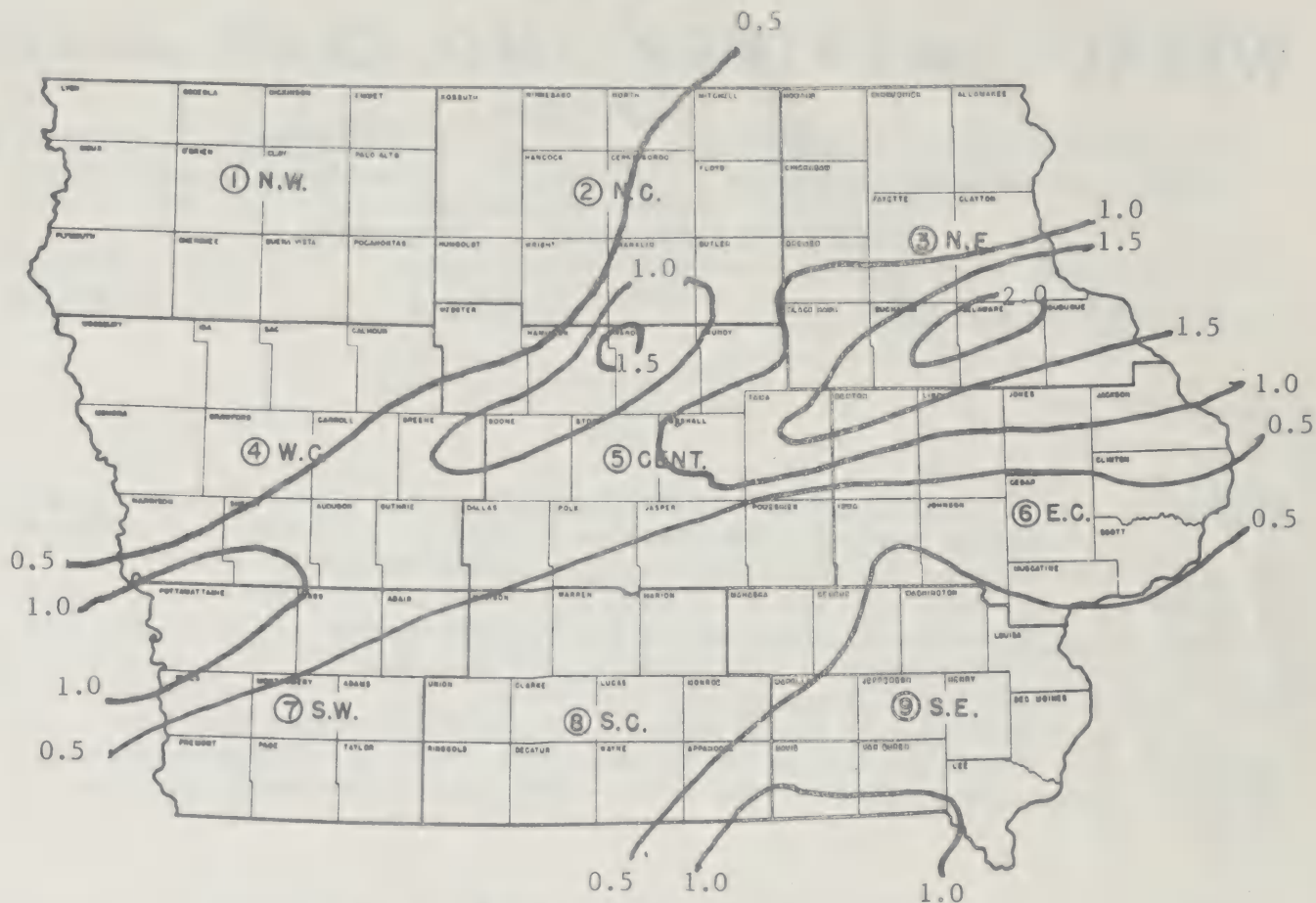
IOWA WEEKLY CROP SUMMARY

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

| Stage of Crop Progress and/or Development As of October 7 | Crop Reporting District | | | | | | | | | | 5 Yr. Ave. |
|---|-------------------------|----|----|----|----|---|----|---|---|-------|---------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | |
| Percent corn acreage harvested (for grain) | 7 | 3 | 5 | 7 | 4 | 2 | 5 | 5 | 3 | 5 | 11 |
| Percent corn acreage harvested | 85 | 44 | 10 | 38 | 17 | 4 | 24 | 8 | 8 | 30 | 27 |

(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

(OVER)



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|------------|--------------|--------------|------------------------|------------|--------------|--------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 46 | -9 | -4 | -3 | 0.1 | -0.4 | -1.0 | -1.8 |
| 2-NC | 47 | -8 | -3 | -2 | 0.5 | 0.0 | -0.2 | -1.2 |
| 3-NE | 48 | -7 | -3 | -2 | 1.1 | +0.5 | +0.4 | -1.1 |
| 4-WC | 49 | -8 | -4 | -3 | 0.4 | -0.1 | -0.7 | -1.2 |
| 5-C | 50 | -7 | -3 | -2 | 0.9 | +0.3 | +0.3 | -0.2 |
| 6-EC | 49 | -9 | -5 | -3 | 0.8 | +0.1 | -0.5 | -1.5 |
| 7-SW | 51 | -8 | -3 | -2 | 0.3 | -0.3 | -1.0 | -1.9 |
| 8-SC | 52 | -7 | -3 | -2 | 0.3 | -0.4 | -1.0 | -1.7 |
| 9-SE | 52 | -7 | -4 | -3 | 0.7 | +0.1 | -0.4 | -1.5 |

*Departures are computed from 1941-70 normals.

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121

74-28

Released Tuesday at 3:00 p.m., CDT, October 15, 1974

Des Moines, Iowa

Week Ending October 15, 1974

WEATHER: Temperatures were cool to normal with moderate to locally heavy rain except in the northwest where the week was warm and dry. Temperatures warmed rapidly from the Monday cold to reach as high as 86 degrees F. at Red Oak on the 10th.

CROPS: A week of good harvest weather was broken on the weekend by rains over many areas. Days suitable for fieldwork 5.7, 1968-72 average 4.3. Harvesting of soybeans is progressing well and corn harvest is increasing, especially in the Western and South Central districts.

Corn: Corn, for grain harvest, is 10 percent complete, behind the average of 18 percent. Most of the seed corn has been harvested and popcorn harvest is 26 percent complete.

Soybeans: Soybean harvest is 52 percent complete, slightly ahead of the average of 49 percent. The harvest is nearly complete in the Northwest district and is progressing well over the remainder of the State. There were many reports of green and small beans and also of shattering of drier beans.

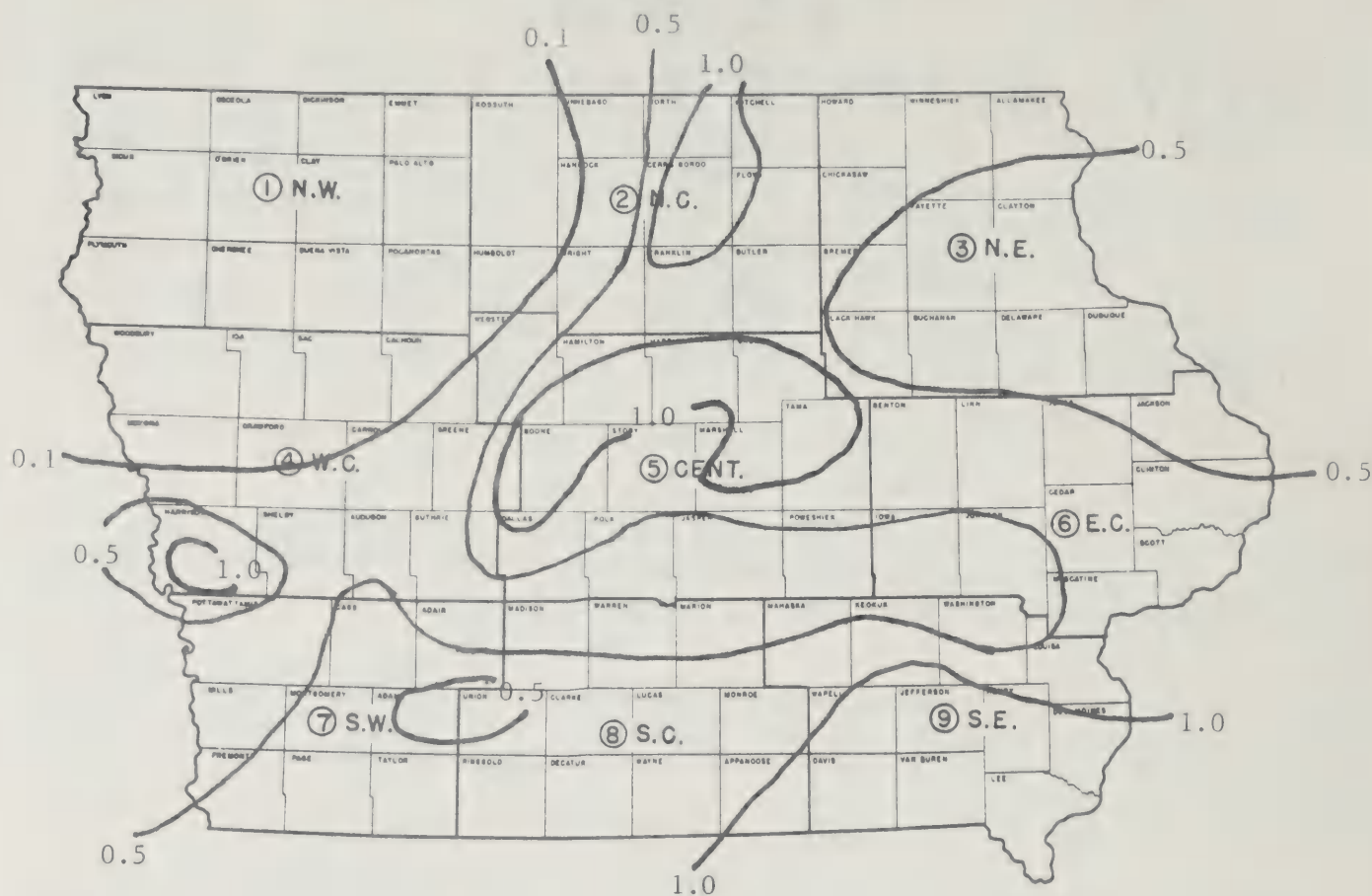
Other Crops: Winter wheat is 80 percent seeded compared to the average of 85 percent. Grain sorghum harvest is 20 percent complete, behind the average of 31 percent. Fall plowing is 10 percent complete and the weekend rains should improve the plowing. Topsoil moisture is 42 percent short and 58 percent adequate.

IOWA WEEKLY CROP SUMMARY

| Stage of Crop Progress and/or Development As of October 15, 1974 | Crop Reporting District | | | | | | | | | | 5 Yr. Ave. |
|--|-------------------------|----|----|----|----|----|----|----|----|-------|---------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | |
| | | | | | | | | | | | |
| Percent corn acreage harvested (for grain) | 12 | 6 | 7 | 13 | 9 | 7 | 12 | 12 | 10 | 10 | 18 |
| Percent soybean acreage harvested | 95 | 78 | 27 | 65 | 48 | 28 | 50 | 26 | 21 | 52 | 49 |

(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

(OVER)



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 56 | +3 | -3 | -1 | T | -0.4 | -0.8 | -2.1 |
| 2-NC | 55 | +2 | -3 | -1 | 0.5 | 0 | 0 | -0.9 |
| 3-NE | 53 | 0 | -4 | -2 | 0.5 | -0.1 | +0.4 | -0.6 |
| 4-WC | 56 | +1 | -4 | -2 | 0.3 | +0.1 | 0 | -1.3 |
| 5-C | 55 | 0 | -4 | -2 | 0.8 | +0.3 | +0.6 | -0.1 |
| 6-EC | 53 | -3 | -6 | -4 | 0.6 | 0 | +0.1 | -1.4 |
| 7-SW | 54 | -2 | -5 | -2 | 0.5 | 0 | -0.3 | -1.8 |
| 8-SC | 55 | -2 | -5 | -2 | 0.7 | +0.1 | -0.3 | -1.8 |
| 9-SE | 55 | -2 | -5 | -3 | 1.1 | +0.5 | +0.6 | -0.8 |

*Departures are computed from 1941-70 normals.

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WEEKLY WEATHER AND CROP REPORT

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NOAA - National Weather Service Statistical Reporting Service

In cooperation with
121 IOWA DEPARTMENT OF AGRICULTURE 74-29

Released Monday at 3:00 p.m., CDT, October 21, 1974 Des Moines, Iowa

Week Ending October 21, 1974

WEATHER: Temperatures averaged from near to slightly below normal in western Iowa to as much as 5 degrees below normal in eastern sections. A reading of 21 degrees at Sibley on Tuesday morning was the lowest temperature reported with the highest of 79 degrees on Thursday being reported from Atlantic. The only measurable precipitation reported was from eastern counties with amounts generally under one tenth inch.

CROPS: Harvesting of all crops continued at a steady pace last week although early in the week wet conditions slowed harvests. Days suitable for fieldwork 5.0, 1968-72 average 4.7 days. High moisture and light test weights are common for both corn and soybeans. Plowing of land for next year's crops is 14 percent complete with some fertilizer being plowed down. Shortages of fertilizer are being reported in some localities.

Corn: The corn, for grain, harvest is 18 percent complete, behind the average of 27 percent. Harvest is in full swing in the Northwest and is beginning, as soybeans are completed, in the other districts. Popcorn harvest is 40 percent complete.

Soybeans: Soybean harvest is 64 percent complete, the same as normal. Harvest in the Northwest and North Central Districts is nearly complete with the harvest progressing rapidly over the remainder of Iowa.

Other Crops: Winter wheat seeding is virtually complete. The grain sorghum harvest is 28 percent complete compared to the average of 42 percent. Topsoil moisture is 32 percent short and 68 percent adequate.

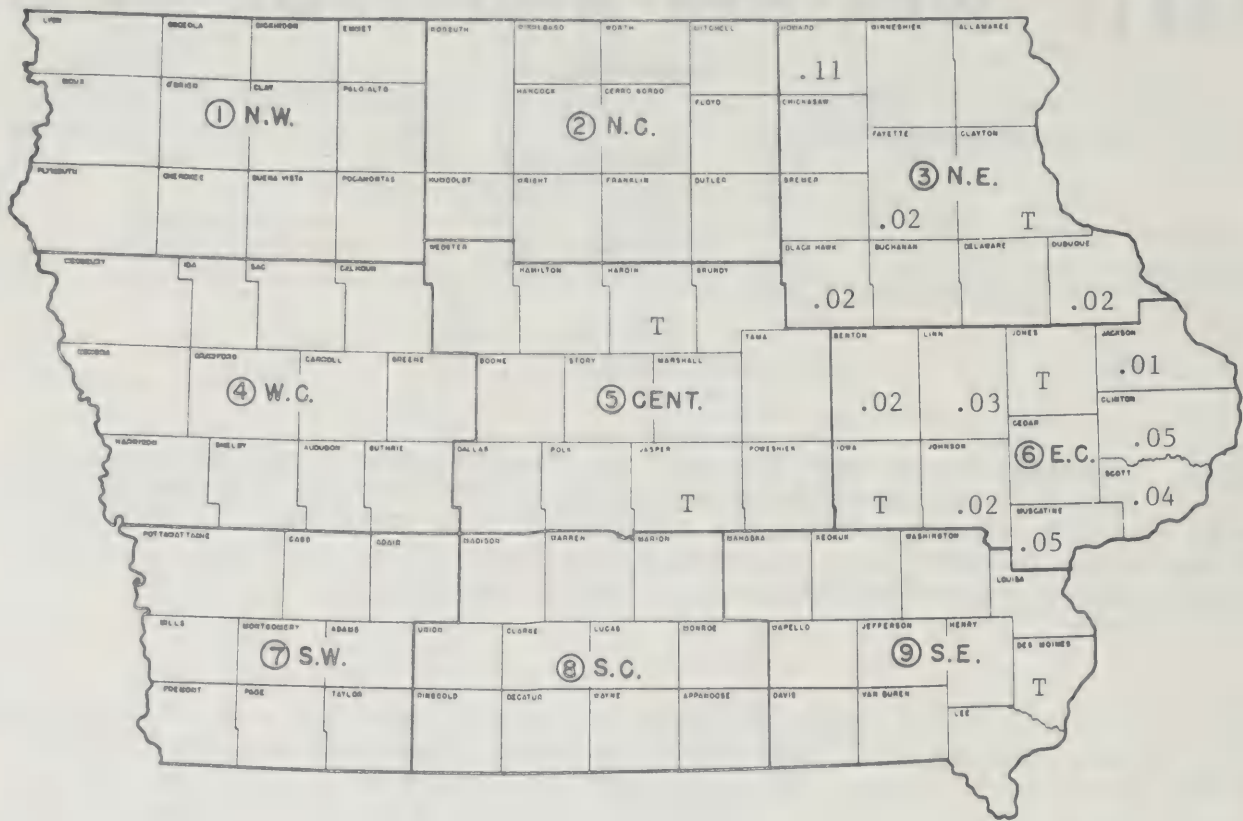
IOWA WEEKLY CROP SUMMARY

| State of Crop Progress and/or Development As of October 21, 1974 | Crop Reporting District | | | | | | | | | | 5 Yr. State Ave. |
|--|-------------------------|----|----|----|----|----|----|----|----|-------|---------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | |
| Percent corn acreage harvested (for grain) | 36 | 18 | 11 | 20 | 17 | 13 | 17 | 21 | 12 | 18 | 27 |
| Percent soybean acreage harvested | 99 | 86 | 50 | 82 | 58 | 45 | 67 | 47 | 33 | 64 | 64 |

(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

(OVER)

PRECIPITATION FOR WEEK ENDING 6:00 A.M., CDT, OCTOBER 21, 1974



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 50 | +1 | +2 | -1 | 0 | -0.4 | -0.8 | -1.8 |
| 2-NC | 47 | -2 | 0 | -2 | 0 | -0.4 | -0.4 | -0.6 |
| 3-NE | 45 | -5 | -3 | -3 | T | -0.5 | -0.6 | -0.2 |
| 4-WC | 51 | -1 | 0 | -2 | 0 | -0.4 | -0.3 | -1.0 |
| 5-C | 49 | -3 | -2 | -2 | T | -0.5 | -0.2 | +0.1 |
| 6-EC | 47 | -5 | -4 | -4 | T | -0.5 | -0.5 | -1.0 |
| 7-SW | 52 | -1 | -2 | -2 | 0 | -0.5 | -0.5 | -1.5 |
| 8-SC | 50 | -4 | -3 | -3 | 0 | -0.5 | -0.4 | -1.4 |
| 9-SE | 49 | -4 | -3 | -4 | T | -0.5 | 0.0 | -0.4 |

*Departures are computed from 1941-70 normals.

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WEEKLY WEATHER AND CROP REPORT

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NOAA - National Weather Service

U. S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service

In cooperation with

121

IOWA DEPARTMENT OF AGRICULTURE

74-11

Released Monday at 3:00 p.m., CDT, June 17, 1974

Des Moines, Iowa

Week Ending June 17, 1974

WEATHER: It was a cool and dry week. Temperatures averaged 5-8 degrees below normal as unseasonably cool weather prevailed except for brief warming on Thursday and Friday. Record or near record lows were observed on the 12th and 17th. Extremes for the week ranged from 38 degrees at Elkader on Wednesday to 96 degrees at Atlantic on Friday. Precipitation was below normal with scattered thundershowers Wednesday night, Thursday night and Friday evening. Only small areas had week totals in excess of 1 inch.

CROPS: Good weather in most areas from Tuesday on has helped considerably with fieldwork. Statewide 3.9 days were suitable for fieldwork compared to the 5 year average of 5.1 days. Fieldwork in the south central and southeast continued to lag.

Corn: Corn planting is virtually complete in most areas although some wet spots with herbicide applied to are still not planted. About 10 percent of the corn has been replanted with the east central and southeast replanting over one-fifth of the crop. The corn has all emerged except for some that was replanted and late plantings on wet ground. The corn crop ranges from good to excellent condition in the northwest to fair condition in the southeast. There were a number of reports of army worm, cut worm, and corn borer in scattered spots across the State. Corn stands ranged from nearly full stands in the northwest to stands reduced by one-fourth in the south central.

Soybeans: Soybean planting is 84 percent complete compared to 89 percent last year. Planting is normally complete. Nearly 70 percent of the soybeans have emerged, the same as last year. Soybeans are in fair to good condition with stands nearly full in the west as compared to the south central where erosion and flooding has reduced stands by one-fourth.

Other Crops: Alfalfa harvest is in full swing now with over 40 percent completed. Yields are good to excellent. Oats are in mostly good condition with 42 percent headed. Clover and pastures are both in good to excellent condition.

Moisture: Topsoil moisture is 55 percent adequate, 45 percent surplus.

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IOWA WEEKLY CROP SUMMARY

JUL 23 1974

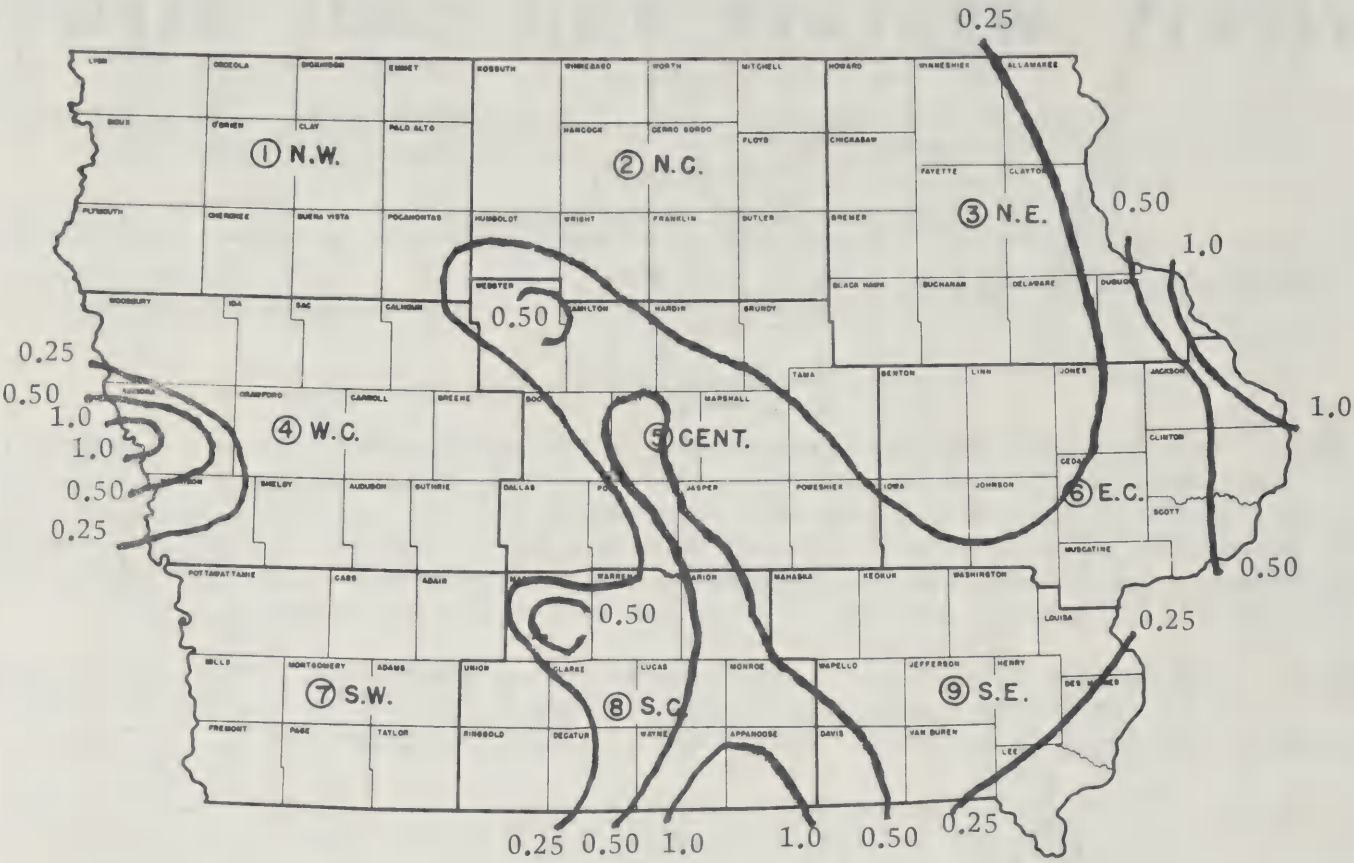
| Stage of Crop Progress and/or Development as of June 17, 1974 | Crop Reporting District | | | | | | | | | | 5 yr. Avg. |
|---|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|---------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | |
| Percent of corn replanted | 1 | 7 | 11 | 5 | 9 | 21 | 6 | 22 | 14 | 10 | --- |
| Percent of soybeans planted | 99 | 94 | 78 | 94 | 88 | 72 | 92 | 60 | 52 | 84 | 100 |
| Days suitable for fieldwork | 4.5 | 4.3 | 4.3 | 4.6 | 3.3 | 3.9 | 4.1 | 2.1 | 2.6 | 3.9 | 5.1 |

Iowa Growing Degree Data - Week Ending June 14, 1974

| Location | Last Wk. | Dep.* | Since May 1 | Dep.* | Location | Last Wk. | Dep.* | Since May 1 | Dep.* |
|-------------|----------|-------|-------------|-------|--------------|----------|-------|-------------|-------|
| Rock Rapids | 94 | -28 | 540 | -58 | Ames | 98 | -30 | 557 | -72 |
| Storm Lake | 98 | -21 | 504 | -69 | Cedar Rapids | 107 | -24 | 556 | -89 |
| Mason City | 97 | -25 | 505 | -70 | Clarinda | 114 | -26 | 690 | -14 |
| Fayette | 119 | -1 | 515 | -66 | Corydon | 103 | -35 | 618 | -67 |
| Denison | 102 | -24 | 585 | -35 | Fairfield | 115 | -27 | 615 | -85 |

* Departures computed from 1941-70 normals.

(OVER)



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| NW | 62 | -7 | -4 | -2 | 0.1 | -1.0 | -0.2 | -1.3 |
| NC | 62 | -7 | -4 | -2 | 0.1 | -1.1 | 0.0 | -0.7 |
| NE | 61 | -7 | -3 | -2 | 0.3 | -0.9 | +0.5 | 0.0 |
| WC | 65 | -5 | -3 | -2 | 0.3 | -0.9 | -0.4 | -0.6 |
| C | 64 | -6 | -4 | -2 | 0.4 | -0.8 | +1.0 | +1.6 |
| EC | 63 | -8 | -5 | -3 | 0.3 | -0.8 | +1.0 | +0.6 |
| SW | 66 | -6 | -4 | -2 | 0.2 | -1.0 | -0.6 | -0.9 |
| SC | 66 | -6 | -4 | -2 | 0.4 | -0.8 | +0.9 | +1.3 |
| SE | 65 | -7 | -5 | -3 | 0.3 | -0.9 | +0.4 | +1.0 |

*Departures are computed from 1941-70 normals.

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WEEKLY WEATHER AND CROP REPORT

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NOAA - National Weather Service Statistical Reporting Service

In cooperation with

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121 74-12

Released Monday at 3:00 p.m., CDT, June 24, 1974

Des Moines, Iowa

Week Ending June 24, 1974

WEATHER: Temperatures averaged below normal east to above normal west. Extremes ranged from 103 degrees at Council Bluffs and Rock Rapids on the 20th to 42 degrees at Fayette on the 18th. Severe thunderstorms during the week over all except the southwest left locally heavy rains while hail, strong winds and tornados produced considerable property and crop damage. Over four inches of rain was reported in sections of the northwest, central and east while the southwest remained dry throughout the week.

CROPS: Warm weather and drying winds improved the crop outlook in most parts of the State, although high winds, rain and hail damaged crops in certain areas last week. Central Iowa, and Fayette, Clayton, and Dubuque counties in northeastern Iowa and other scattered areas received severe weather last week. Statewide 5.5 days were suitable for fieldwork. Some low areas along rivers and tributaries are still flooded.

Corn: Nearly all the corn in the State has been planted and has emerged. Many fields have wet spots of which many are still unplanted. Corn stands have been reduced in most areas although some recovery was made in the last week. Stands range from full in the northwest to stands reduced by 15 percent in the south central, east central, and southeast. Crop condition and weed control is mostly fair to good. Untreated fields are having a weed control problem.

Soybeans: Most of the soybeans are planted with only the very wet areas remaining. About 82 percent of the crop has emerged with stands somewhat reduced by erosion and flooding. Weed control is good with the soybeans in fair to good condition.

Other Crops: Alfalfa harvest is over two-thirds complete with yields good to excellent. Oats are three-fourths headed and in good condition. Clover and pastures remain in good to excellent condition. Hot, dry weather last week hurt these crops in some areas.

Moisture: Topsoil moisture is 14 percent short, 51 percent adequate, and 35 percent surplus. Some of the western areas, that were the driest, received showers over the weekend.

IOWA WEEKLY CROP SUMMARY

| Stage of Crop Progress and/or Development as of June 24, 1974 | Crop Reporting District | | | | | | | | | | 5 yr. Avg. |
|---|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|---------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | |
| Percent of soybeans planted | 100 | 96 | 96 | 98 | 96 | 92 | 98 | 80 | 84 | 94 | 100 |
| Days suitable for fieldwork | 6.4 | 5.4 | 5.0 | 6.9 | 4.5 | 4.5 | 6.7 | 5.0 | 4.1 | 5.5 | 5.1 |

Iowa Growing Degree Data - Week Ending June 21, 1974

| Location | Last Wk. | Dep.* | Since May 1 | Dep.* | Location | Last Wk. | Dep.* | Since May 1 | Dep.* |
|------------|----------|-------|-------------|-------|--------------|----------|-------|-------------|-------|
| Sibley | 126 | - 4 | 666 | - 62 | Boone | 132 | - 5 | 689 | - 77 |
| Storm Lake | 124 | - 4 | 628 | - 73 | Cedar Rapids | 133 | - 4 | 689 | - 93 |
| Mason City | 129 | + 2 | 634 | - 68 | Clarinda | 152 | + 6 | 842 | - 8 |
| Fayette | 113 | -13 | 628 | - 79 | Corydon | 136 | - 7 | 754 | - 74 |
| Denison | 140 | + 5 | 725 | - 30 | Fairfield | 130 | - 17 | 745 | -102 |

* Departures computed from 1941-70 normals.

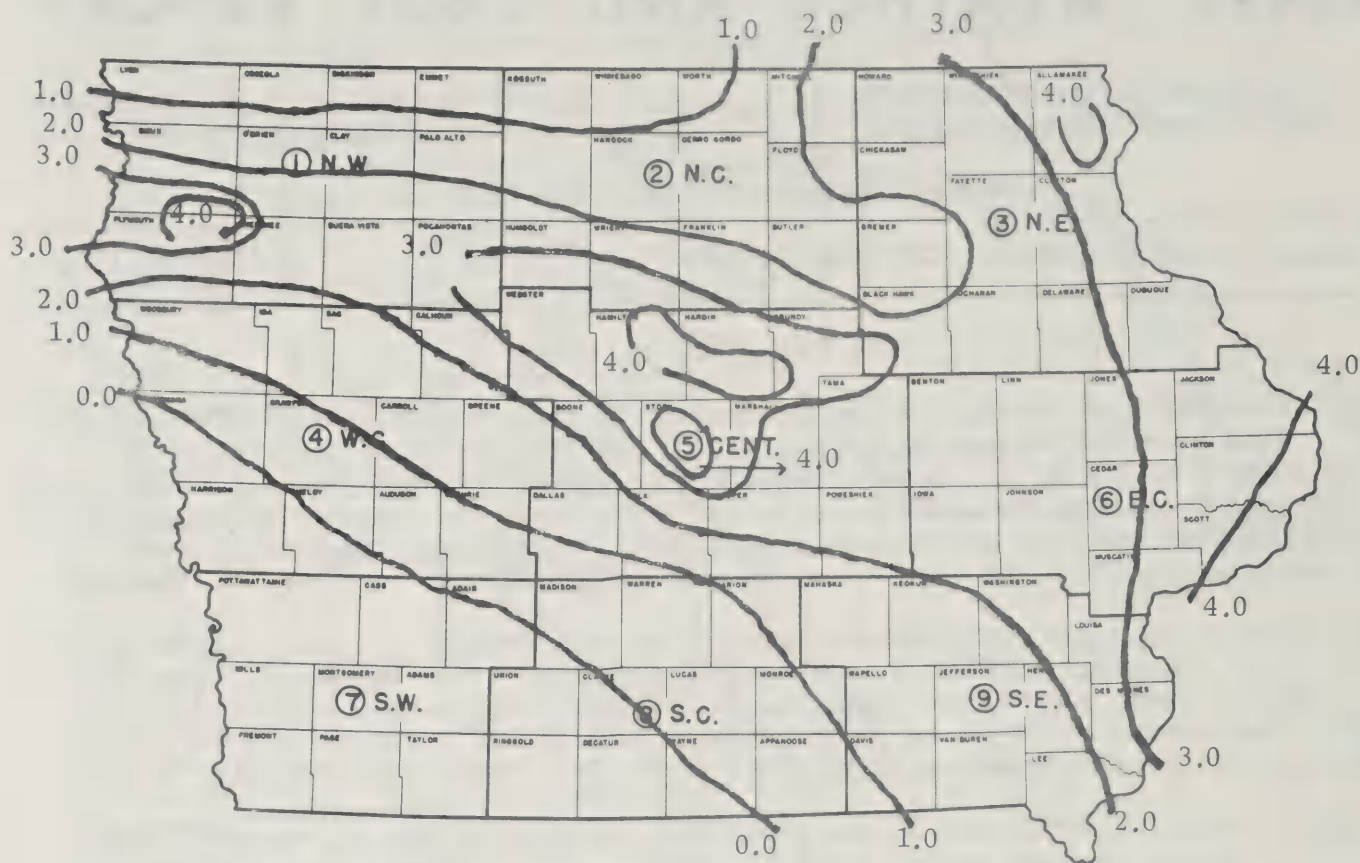
(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

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WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| NW | 73 | +2 | -3 | -1 | 1.7 | +0.6 | -0.4 | -0.3 |
| NC | 69 | -1 | -4 | -2 | 1.5 | +0.4 | -0.7 | 0.0 |
| NE | 67 | -3 | -5 | -3 | 2.7 | +1.6 | +0.7 | +2.0 |
| WC | 74 | +2 | -2 | -1 | 0.9 | -0.3 | -1.2 | -1.0 |
| C | 71 | -1 | -4 | -2 | 2.7 | +1.5 | +0.7 | +2.7 |
| EC | 69 | -3 | -6 | -4 | 2.4 | +1.3 | +0.5 | +2.4 |
| SW | 75 | +2 | -2 | -1 | T | -1.2 | -2.2 | -1.6 |
| SC | 74 | 0 | -3 | -2 | 0.3 | -0.9 | -1.7 | +0.4 |
| SE | 70 | -4 | -6 | -4 | 1.8 | +0.6 | -0.3 | +1.4 |

*Departures are computed from 1941-70 normals.

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WEEKLY WEATHER AND CROP REPORT

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NOAA - National Weather Service Statistical Reporting Service
In cooperation with
IOWA DEPARTMENT OF AGRICULTURE

121
Released Monday at 3:00 p.m., CDT, July 1, 1974 Des Moines, Iowa

Week Ending July 1, 1974 74-13

WEATHER: The week was clear and dry. Temperatures averaged from near normal northwest to 6 degrees below normal east. Coolest was 42 degrees at Atlantic on the 23th while 96 degrees at Council Bluffs on the 29th was warmest. The week began cool with gradual warming into the weekend. Precipitation was confined to isolated showers Friday night and Saturday night which left mostly only traces.

CROPS: Clear skies and warm weather was the case for the most part of the past week as farmers worked on cultivating, hay harvests and late planting. Statewide 5.9 days were suitable for fieldwork. Rain is needed in many parts of the State, especially the west and north. Crops in most areas are spotty with a wide variation in development.

Corn: The corn outlook is very good in the western one-third of the state but ranges from good to poor over the remainder of Iowa. Weed control has been good where herbicides were used but control has been only fair in other fields. Some late corn planting is still being completed in southeastern portion of the State.

Soybeans: Soybean planting is virtually complete with most fields emerged. Some replanting has been necessitated due to hail and storm damage. Late planted soybeans are now being hurt in some areas by hot dry weather. Weed control has been good with the crop in fair to good condition.

Other Crops: The alfalfa harvest is 89 percent complete with yields good to excellent, regrowth is good in most areas. The oat crop is 86 percent headed in mostly good condition. Yield outlook has been hurt some by hot weather the last week. Red clover harvest is 60 percent complete with yields good to excellent.

Moisture: Topsoil moisture is 20 percent short, 68 percent adequate and 12 percent surplus. Areas reporting shortage of soil moisture are in the western one-third of the state and the south central district. Subsoil moisture is 2 percent short, 75 percent adequate and 23 percent surplus.

Iowa Growing Degree Data - Week Ending June 28, 1974

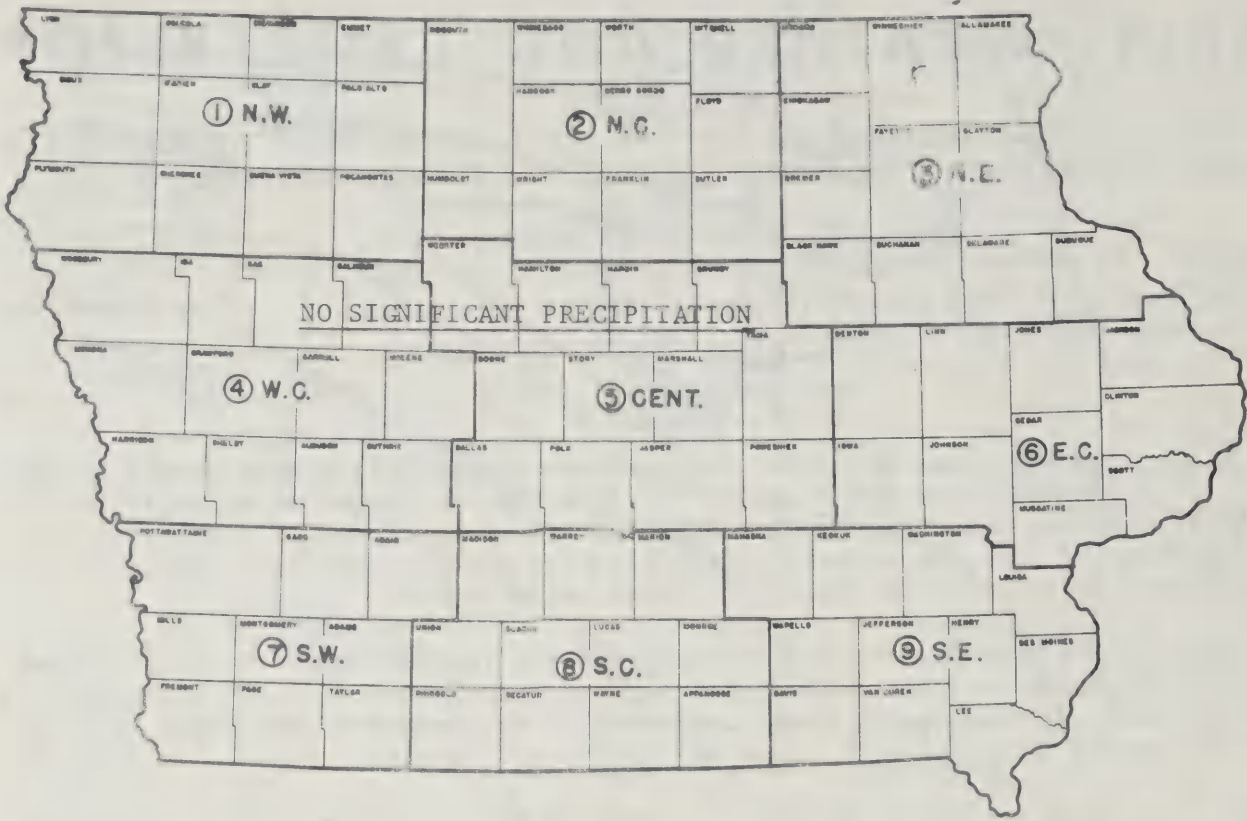
| Location | Last Wk. | Dep.* | Since May 1 | Dep.* | Location | Last Wk. | Dep.* | Since May 1 | Dep.* |
|------------|----------|-------|-------------|-------|--------------|----------|-------|-------------|-------|
| Sibley | 137 | - 4 | 803 | - 66 | Boone | 115 | -33 | 804 | -110 |
| Storm Lake | 101 | -39 | 729 | -112 | Cedar Rapids | 107 | -44 | 796 | -137 |
| Mason City | 116 | -21 | 750 | - 89 | Clarinda | 126 | -31 | 968 | - 39 |
| Fayette | 92 | -44 | 720 | -123 | Corydon | 101 | -54 | 855 | -128 |
| Denison | 127 | -19 | 852 | - 49 | Fairfield | 103 | -57 | 848 | -159 |

* Departures computed from 1941-70 normals.

(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

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WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 72 | 0 | +1 | -1 | T | -1.0 | -0.4 | -0.6 |
| 2-NC | 69 | -2 | -2 | -3 | T | -1.1 | -0.7 | -0.7 |
| 3-NE | 66 | -5 | -4 | -4 | T | -1.1 | +0.5 | +1.0 |
| 4-WC | 71 | -2 | 0 | -2 | T | -1.1 | -1.4 | -1.8 |
| 5-C | 69 | -4 | -3 | -3 | T | -1.1 | +0.4 | +1.4 |
| 6-EC | 67 | -6 | -5 | -5 | T | -1.1 | +0.2 | +1.2 |
| 7-SW | 71 | -4 | -1 | -2 | T | -1.2 | -2.4 | -3.0 |
| 8-SC | 71 | -3 | -2 | -3 | T | -1.1 | -2.0 | -1.1 |
| 9-SE | 70 | -5 | -5 | -5 | T | -1.1 | -0.5 | -0.1 |

*Departures are computed from 1941-70 normals.

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IOWA DEPARTMENT OF AGRICULTURE

74-14

Released Monday at 3:00 p.m., CDT, July 8, 1974

Des Moines, Iowa

Week Ending July 8, 1974

WEATHER: A cool front brought temporary cooling on the 3rd and 4th, but the warmth of the rest of the week gave temperatures averaging about 5 degrees above normal. The highest was 103 degrees at Council Bluffs on the 2nd, coolest was 51 degrees at Elkader on the 5th. Showers and thunderstorms with the front gave the only rain of the week on the 3rd with scattered local heavy amounts and the southeast section up to 5.29 inches at Bloomfield. The other 6 days were sunny with more than 90% of possible sunshine. The rain deficit in the southwest section worsens with more than 4 inches below normal for the last 4 weeks.

CROPS: Hot, dry weather and blowing winds reduced soil moisture to critical levels in many areas. The western one-third, especially the southwest, is very short of topsoil moisture. The crop situation varies dramatically as farmers in some areas finished final cultivation and others just got started. Statewide, 6.3 days were suitable for fieldwork compared to the 5 year average of 4.9 days. Crop condition is good to excellent in the north and west but only fair in the rest of Iowa.

Corn: Corn is beginning to silk in some of the early planted fields although most areas are 2 to 3 weeks behind normal. Early planted corn looks very good while late planted corn is only fair and has reduced stands.

Soybeans: Soybeans have started blooming in some areas while in these same areas planting is now being finished on low lands. In many wet areas rot has reduced stands. The crop is behind normal and has been hurt more than corn by the hot weather.

Other Crops: The second cutting of alfalfa has started and 17 percent complete with yields good. Red clover harvest is 80 percent complete with yields very good. About 22 percent of the oats are mature with yields now being cut by the hot weather. Pastures are drying and are brown in some areas.

Moisture: Topsoil moisture is 38 percent short, 60 percent adequate and 2 percent surplus.

Iowa Growing Degree Data - Week Ending July 5, 1974

| Location | Last Wk. | Dep.* | Since May 1 | Dep.* | Location | Last Wk. | Dep.* | Since May 1 | Dep.* |
|------------|----------|-------|-------------|-------|--------------|----------|-------|-------------|-------|
| Sibley | 159 | + 9 | 962 | - 57 | Boone | 166 | +12 | 970 | - 98 |
| Storm Lake | 165 | +18 | 894 | - 94 | Cedar Rapids | 173 | +18 | 969 | -119 |
| Mason City | 185 | +42 | 935 | - 47 | Clarinda | 181 | +16 | 1149 | - 23 |
| Fayette | 163 | +20 | 883 | -103 | Corydon | 172 | +10 | 1027 | -118 |
| Denison | 178 | +24 | 1030 | - 25 | Fairfield | 172 | + 8 | 1020 | -151 |

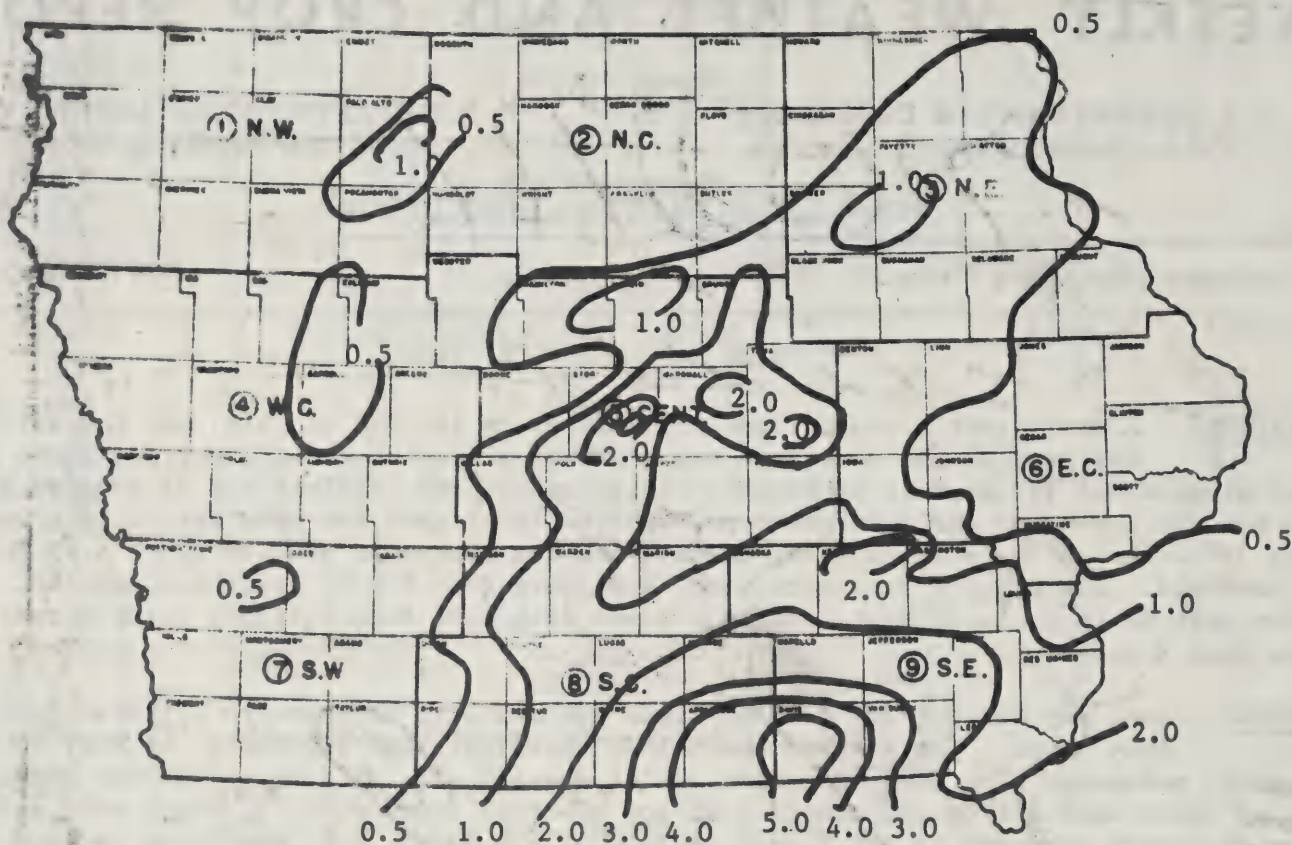
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(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

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PRECIPITATION FOR WEEK ENDING 6:00 A.M., CDT, JULY 8, 1974



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 79 | +6 | +3 | 0 | 0.2 | -0.7 | -1.7 | -2.1 |
| 2-NC | 78 | +6 | +2 | -1 | 0.1 | -1.0 | -2.1 | -2.8 |
| 3-NE | 77 | +5 | 0 | -3 | 0.6 | -0.5 | -1.6 | -0.9 |
| 4-WC | 80 | +6 | +2 | 0 | 0.2 | -0.7 | -1.8 | -3.0 |
| 5-C | 79 | +5 | +1 | -2 | 1.0 | 0.0 | -1.1 | -0.4 |
| 6-EC | 76 | +2 | -2 | -4 | 0.4 | -0.6 | -1.7 | -1.2 |
| 7-SW | 81 | +6 | +1 | -1 | 0.3 | -0.7 | -1.9 | -4.1 |
| 8-SC | 80 | +5 | +1 | -1 | 1.7 | +0.8 | -0.3 | -2.0 |
| 9-SE | 78 | +2 | -2 | -4 | 2.1 | +1.1 | 0.0 | -0.3 |

*Departures are computed from 1941-70 normals.

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74-15

Released Monday at 3:00 p.m., CDT, July 15, 1974

Des Moines, Iowa

Week Ending July 15, 1974

WEATHER: Hot and dry weather continued over the southwest through the week while snowers and cooler air over the north and east Tuesday and Wednesday interrupted the not and dry pattern. Temperatures averaged from 5 degrees above normal northeast to 10 degrees above southwest where 4 days exceeded the 100 degree mark. 104 degrees at Council Bluffs on Friday was the warmest. Rainfall was below normal except in north central and east central districts. It was the 5th consecutive week with below normal precipitation in the southwest.

CROPS: Crops progressed rapidly the last week as mid-week rain relieved many parts of the State. Some areas, especially in the west and south central, remained dry. Scattered light rain in these areas helped some although the southwest and south central received virtually no rain. Statewide 5.6 days were suitable for fieldwork.

Corn: Corn is growing fast with about 10 percent of the fields 75 percent or more silked. Adequate subsoil moisture has helped the corn considerably as the crop improved in most areas last week. There were some scattered reports of corn root-worm and cutworm damage.

Soybeans: About 18 percent of the soybeans are blooming but the crop is very spotty and short in many areas. Many cases of pythium and rhizoctonia root rot were reported and these have reduced stands in some late planted fields. The soybeans were hampered in most areas until the rains on Wednesday and Thursday.

Other Crops: The second cutting of alfalfa is 30 percent complete but yields have been hurt by dry weather. First cutting red clover is 83 percent complete with yields good. Cutting of oats silage has started and some grain harvest is started with yields good. Pastures have turned brown in many areas with some hay being fed to supplement pastures.

Moisture: Topsoil moisture 40 percent short, 58 percent adequate and 2 percent surplus.

IOWA WEEKLY CROP SUMMARY

| Stage of Crop Progress and/or Development as of July 15, 1974 | Crop Reporting District | | | | | | | | | | 5 yr. Avg. |
|---|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|---------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | |
| Corn 75 percent or more silked | 9 | 3 | 2 | 16 | 12 | 1 | 20 | 20 | 10 | 16 | 10 |
| Percent of soybeans blooming | 32 | 12 | 19 | 27 | 19 | 4 | 32 | 16 | 6 | 27 | 18 |
| Days suitable | 5.4 | 4.6 | 5.4 | 6.1 | 5.3 | 5.1 | 6.9 | 6.2 | 5.5 | 4.9 | 5.6 |
| Topsoil moisture percent short | 57 | 14 | 12 | 77 | 44 | 0 | 100 | 76 | 5 | --- | 40 |

Iowa Growing Degree Data - Week Ending July 12, 1974

| Location | Last Wk. | Dep.* | Since May 1 | Dep.* | Location | Last Wk. | Dep.* | Since May 1 | Dep.* |
|-------------|----------|-------|-------------|-------|--------------|----------|-------|-------------|-------|
| Rock Rapids | 195 | +42 | 1157 | - 15 | Boone | 187 | +31 | 1157 | - 67 |
| Storm Lake | 179 | +29 | 1073 | - 65 | Cedar Rapids | 183 | +26 | 1152 | - 93 |
| Mason City | 192 | +46 | 1127 | - 1 | Clarinda | 188 | +23 | 1337 | 0 |
| Fayette | 175 | +31 | 1058 | - 72 | Corydon | 194 | +28 | 1221 | - 90 |
| Denison | 197 | +41 | 1227 | + 16 | Fairfield | 190 | +24 | 1210 | -127 |

* Departures computed from 1941-70 normals.

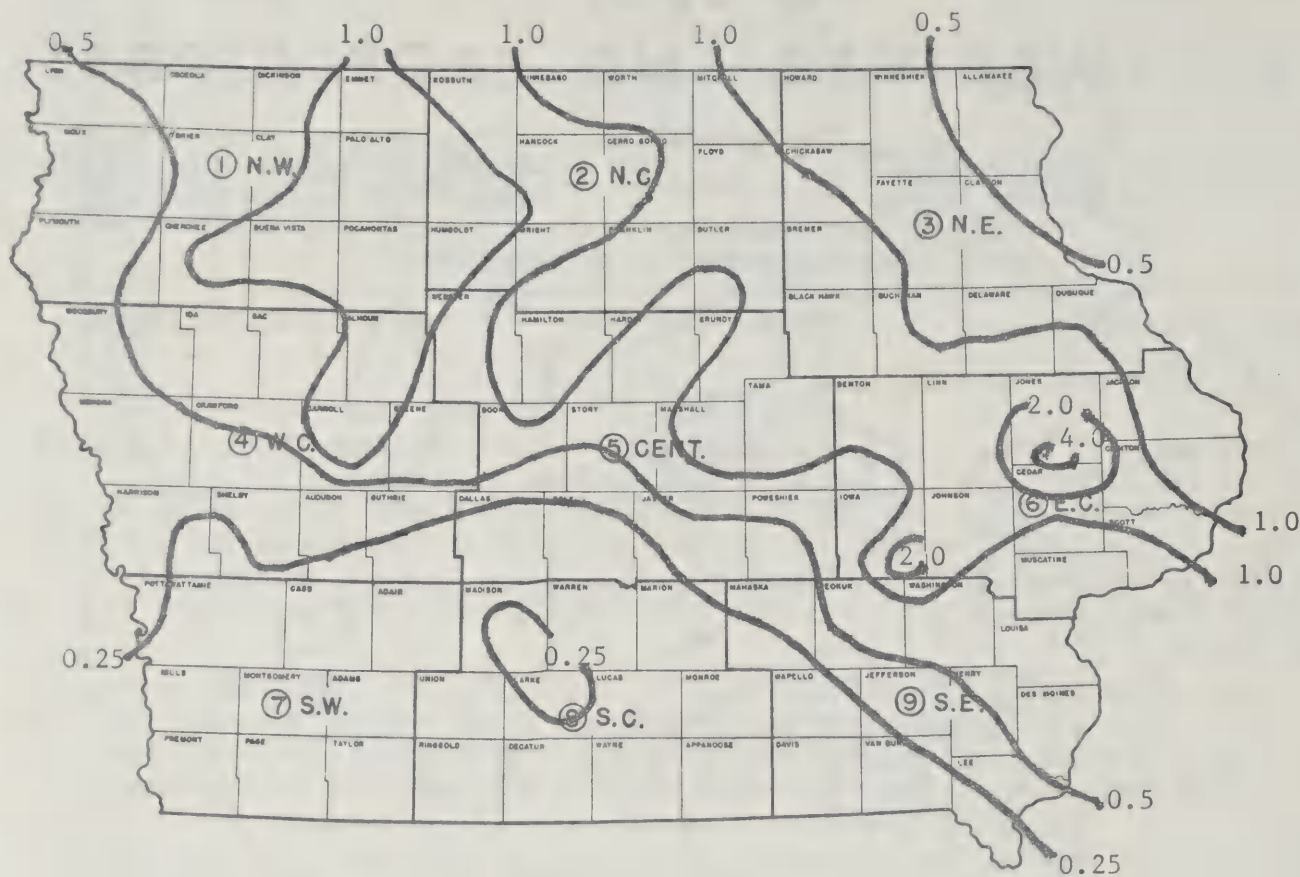
(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

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UNIVERSITY OF ILLINOIS
AT URBANA CHAMPAIGN



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 81 | +7 | +7 | +4 | 0.8 | 0.0 | -0.7 | -1.1 |
| 2-NC | 79 | +6 | +6 | +2 | 1.2 | +0.2 | -0.8 | -1.5 |
| 3-NE | 78 | +5 | +5 | +1 | 0.8 | -0.3 | -0.8 | -0.3 |
| 4-WC | 83 | +8 | +7 | +4 | 0.5 | -0.3 | -1.0 | -2.4 |
| 5-C | 82 | +7 | +6 | +2 | 0.6 | -0.3 | -0.3 | +0.1 |
| 6-EC | 81 | +6 | +4 | 0 | 1.3 | +0.4 | -0.2 | 0.0 |
| 7-SW | 86 | +10 | +8 | +4 | 0.1 | -0.8 | -1.5 | -3.9 |
| 8-SC | 85 | +9 | +7 | +3 | 0.1 | -0.7 | +0.1 | -1.9 |
| 9-SE | 82 | +6 | +4 | 0 | 0.4 | -0.5 | +0.6 | +0.1 |

*Departures are computed from 1941-70 normals.

UNITED STATES DEPARTMENT OF AGRICULTURE
STATISTICAL REPORTING SERVICE
AGRICULTURAL STATISTICIAN
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DES MOINES, IOWA 50309

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IMMEDIATE - U. S. WEATHER AND CROP REPORT.
This report will be treated in all respects as letter mail.



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WEEKLY WEATHER AND CROP REPORT

Prepared jointly by

U. S. DEPARTMENT OF COMMERCE
NOAA - National Weather Service

U. S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service

In cooperation with

IOWA DEPARTMENT OF AGRICULTURE

74-16

121

Released Monday at 3:00 p.m., CDT, July 22, 1974

Des Moines, Iowa

Week Ending July 22, 1974

WEATHER: This was the 3rd week of above normal temperatures across the entire state, averaging this week 7 degrees above, and being the hottest in western sections with daily highs over 100 and a top of 110 at Council Bluffs-Omaha on July 21st. The west was also driest with rainfall continuing below normal or lacking for the 6th successive week. Scattered showers and thunderstorms moved across the northeastern third of the state on the 18-20 and again across most of the state on Sunday afternoon and night. Varying rainfall from these showers was heaviest in eastern sections of the state with amounts between a quarter and one and a quarter inches. There were local amounts of 2½ inches at Norway and 2½ inches at Hubbard, and scattered localized wind damage. Even with these showers the averages for the week were below normal for the entire state continuing the general deficiency for the last 4-6 weeks.

CROPS: Crop development progressing near normal in eastern half of state, but hot dry weather has caused considerable stress to corn and soybeans, mainly in the western half of the State. Rain received over the State the evening of July 21 was spotty and of varying amounts, temporarily alleviating dry conditions in some areas. More moisture is needed over the entire state. Statewide 6.9 days were suitable for field work, nearly a perfect week for oat harvest and haying.

Corn: Statewide 40 percent of the fields are 75 percent or more silked, which is average for this time of year. However, there is considerable variation in growth due to the extended planting period and the hot, dry weather. There were a few scattered reports of corn stalk borer root worm damage.

Soybeans: Forty percent of the soybeans are blooming compared with the 5 year average of 50 percent. Late planted fields are short and their growth rate has been slow due to the hot, dry weather.

Oats: Oat harvest is 40 percent complete which is ahead of the 5 year average of 38 percent. Some good yields and test weights are reported.

Other Crops: The second cutting of alfalfa is 55 percent harvested. Weather conditions have been ideal for hay harvest but yields have been reduced. Second cutting of red clover is 22 percent complete. Pastures have deteriorated over most of the State and are brown and furnishing very little feed.

Moisture: The topsoil moisture is depleting rapidly with 84 percent reporting short and 16 percent adequate. Most of the adequate supply is in the eastern third of the State.

THE LIBRARY OF THE

IOWA WEEKLY CROP SUMMARY

AUG 13 1974

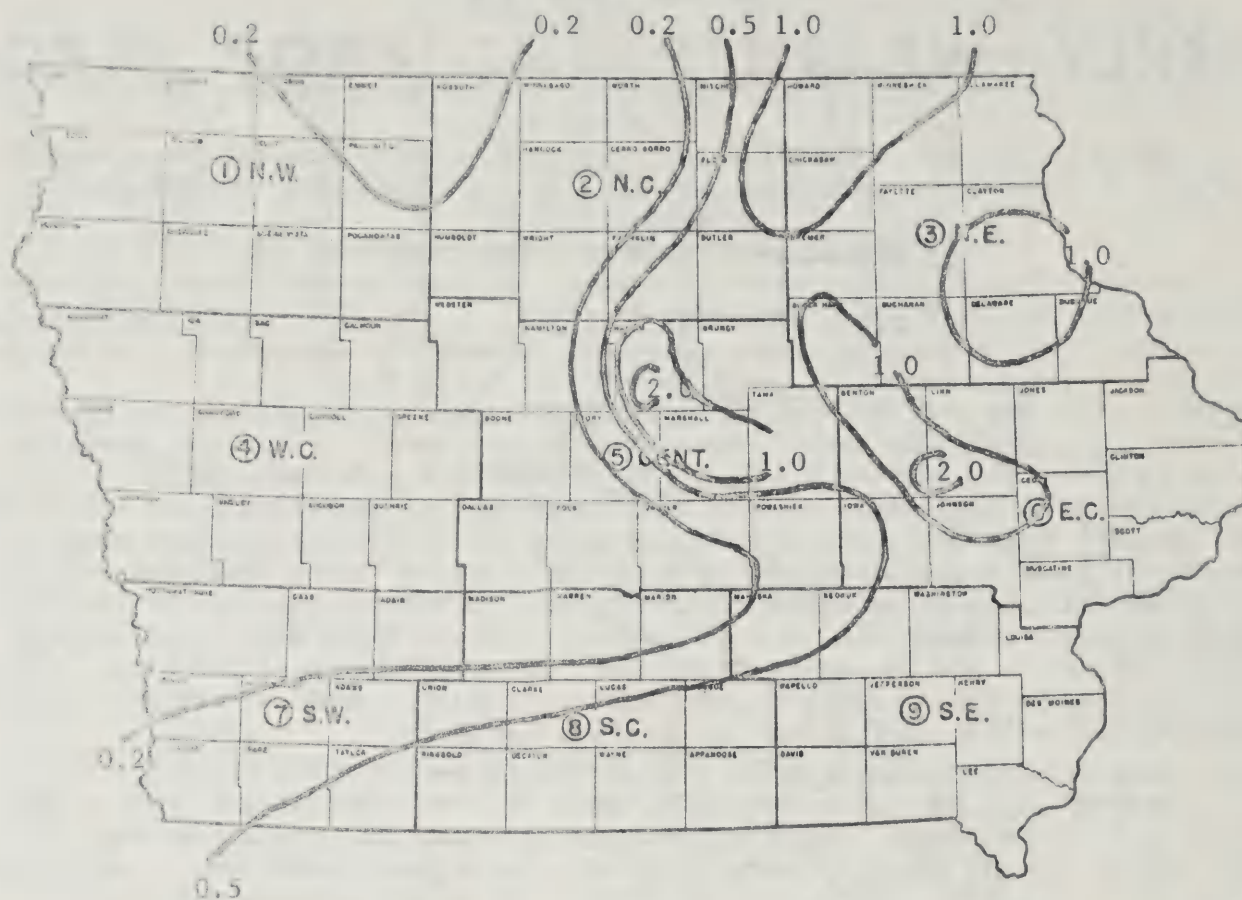
| Stage of Crop Progress and/or Development as of July 22, 1974 | Crop Reporting District | | | | | | | | | | UNIVERSITY OF ILLINOIS AT URBANA-CAMPAIGN yr. |
|---|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------------|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State Avg. | |
| Corn 75 percent or more silked | 43 | 39 | 20 | 54 | 44 | 21 | 51 | 50 | 45 | 40 | 40 |
| Percent of soybeans blooming | 58 | 39 | 34 | 50 | 45 | 22 | 52 | 34 | 22 | 40 | 50 |
| Oats harvested | 51 | 28 | 12 | 72 | 36 | 21 | 72 | 58 | 49 | 40 | 38 |
| Days suitable | 6.9 | 6.9 | 6.7 | 7.0 | 6.9 | 6.9 | 6.9 | 7.0 | 6.8 | 6.9 | 5.1 |
| Top soil moisture percent short | 100 | 92 | 54 | 100 | 93 | 50 | 100 | 100 | 56 | 84 | -- |

Iowa Growing Degree Data - Week Ending July 19, 1974

| Location | Last Wk. | Dep.* | Since May 1 | Dep.* | Location | Last Wk. | Dep.* | Since May 1 | Dep.* |
|-------------|----------|-------|-------------|-------|--------------|----------|-------|-------------|-------|
| Rock Rapids | 179 | +22 | 1336 | + 7 | Boone | 176 | +15 | 1333 | -52 |
| Storm Lake | 168 | +14 | 1241 | -51 | Cedar Rapids | 190 | +28 | 1342 | -65 |
| Mason City | 179 | +27 | 1306 | +26 | Clarinda | 193 | +25 | 1530 | +25 |
| Fayette | 173 | +23 | 1231 | -49 | Corydon | 188 | +19 | 1409 | -71 |
| Denison | 193 | +33 | 1420 | +49 | Fairfield | 190 | +20 | 1400 | -107 |

* Departures computed from 1941-70 normals.

(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 82 | +8 | +8 | +5 | 0.1 | -0.7 | -0.7 | -2.4 |
| 2-NC | 80 | +7 | +7 | +4 | 0.3 | -0.6 | -0.4 | -2.5 |
| 3-NE | 78 | +5 | +5 | +3 | 0.6 | -0.3 | -0.6 | -2.2 |
| 4-WC | 84 | +9 | +9 | +5 | T | -0.8 | -1.1 | -2.9 |
| 5-C | 81 | +6 | +7 | +4 | 0.4 | -0.4 | -0.7 | -1.8 |
| 6-EC | 78 | +3 | +5 | +1 | 0.8 | -0.1 | +0.3 | -1.4 |
| 7-SW | 86 | +10 | +10 | +6 | 0.2 | -0.6 | -1.4 | -3.3 |
| 8-SC | 85 | +9 | +9 | +5 | 0.4 | -0.4 | -1.1 | -1.4 |
| 9-SE | 81 | +5 | +6 | +2 | 0.6 | -0.2 | -0.7 | -0.7 |

*Departures are computed from 1941-70 normals.

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IMMEDIATE - U. S. WEATHER AND CROP REPORT.
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IOWA

WEEKLY WEATHER AND CROP REPORT

Prepared jointly by

U. S. DEPARTMENT OF COMMERCE
NOAA - National Weather Service

U. S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service

In cooperation with

121 IOWA DEPARTMENT OF AGRICULTURE 74-17

Released Monday at 3:00 p.m., CDT, July 29, 1974

Des Moines, Iowa

Week Ending July 29, 1974

WEATHER: Scattered showers and thunderstorms prevailed nearly every day of the week but significant precipitation was spotty. The southwest was again the driest area with only brief light showers. Heaviest rainfall was Saturday night when Jewel measured 4.26 inches and Fort Dodge 2.00 inches. Temperatures were cooler than previous weeks, averaging near normal east to 6 degrees above normal southwest. Extremes for the week were 103 degrees at Red Oak on the 26th and 48 degrees at Spencer on the 29th.

CROPS: Crop development was at a standstill in the west and was slowed in the rest of Iowa last week due to continued hot, dry weather. Rain on the 25th relieved drought conditions in some areas although the southwest received no rain and the northwest, west central and south central received only sopped rains. More rain is needed over the entire state. Statewide 6.5 days were suitable for fieldwork compared to the 5 year average of 5.4 days. Most farmers worked on hay and oats harvest last week.

Corn: About 66 percent of the corn fields are 75 percent or more silked compared to the average of 70 percent and some corn has reached the dough stage. The condition of the corn deteriorated in the west last week with some fields a complete loss, but improved in other areas which received rain. There were some reports of rootworm, stalk borer and beetle damage in scattered areas.

Soybeans: Soybeans are short with 63 percent blooming compared to the average of 70 percent. In dry areas soybeans are in better condition than the corn but are growing slowly. Pods are setting on 18 percent of the soybeans compared to the 5 year average of 30 percent. Soybeans are in generally fair to good condition.

Other Crops: Second cutting alfalfa 70 percent complete, quality good but yields reduced from first cutting and regrowth slow. Second cutting clover 40 percent complete. Pastures are brown in most areas and are of little feed value to livestock.

Moisture: Topsoil moisture is 81 percent short and 19 percent adequate. Subsoil moisture is 45 percent short and 55 percent adequate.

IOWA WEEKLY CROP SUMMARY

| Stage of Crop Progress and/or Development as of July 29, 1974 | Crop Reporting District | | | | | | | | | 5 Yr. State Ave. | |
|---|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|---------------------|-----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | |
| Corn 75 percent or more silked | 74 | 68 | 48 | 82 | 70 | 54 | 66 | 60 | 66 | 66 | 70 |
| Percent of soybeans blooming | 78 | 75 | 54 | 80 | 70 | 48 | 62 | 48 | 32 | 63 | 70 |
| Oats harvested | 90 | 68 | 35 | 96 | 79 | 60 | 98 | 90 | 86 | 78 | 65 |
| Days suitable | 6.9 | 6.0 | 5.3 | 6.9 | 6.7 | 5.9 | 6.9 | 7.0 | 6.4 | 6.5 | 5.4 |
| Top soil moisture percent short | 100 | 78 | 25 | 100 | 90 | 37 | 100 | 100 | 87 | 81 | -- |

Iowa Growing Degree Data - Week Ending July 26, 1974

| Location | Last Wk. | Dep.* | Since May 1 | Dep.* | Location | Last Wk. | Dep.* | Since May 1 | Dep.* |
|-------------|----------|-------|-------------|-------|--------------|----------|-------|-------------|-------|
| Rock Rapids | 182 | +22 | 1518 | +29 | Boone | 181 | +29 | 1524 | -23 |
| Storm Lake | 181 | +26 | 1422 | -25 | Cedar Rapids | 178 | +14 | 1520 | -51 |
| Mason City | 185 | +31 | 1491 | +57 | Clarinda | 187 | +16 | 1717 | +41 |
| Fayette | 168 | +17 | 1399 | -32 | Corydon | 183 | +12 | 1592 | -59 |
| Denison | 187 | +24 | 1607 | +73 | Fairfield | 182 | +11 | 1582 | -96 |

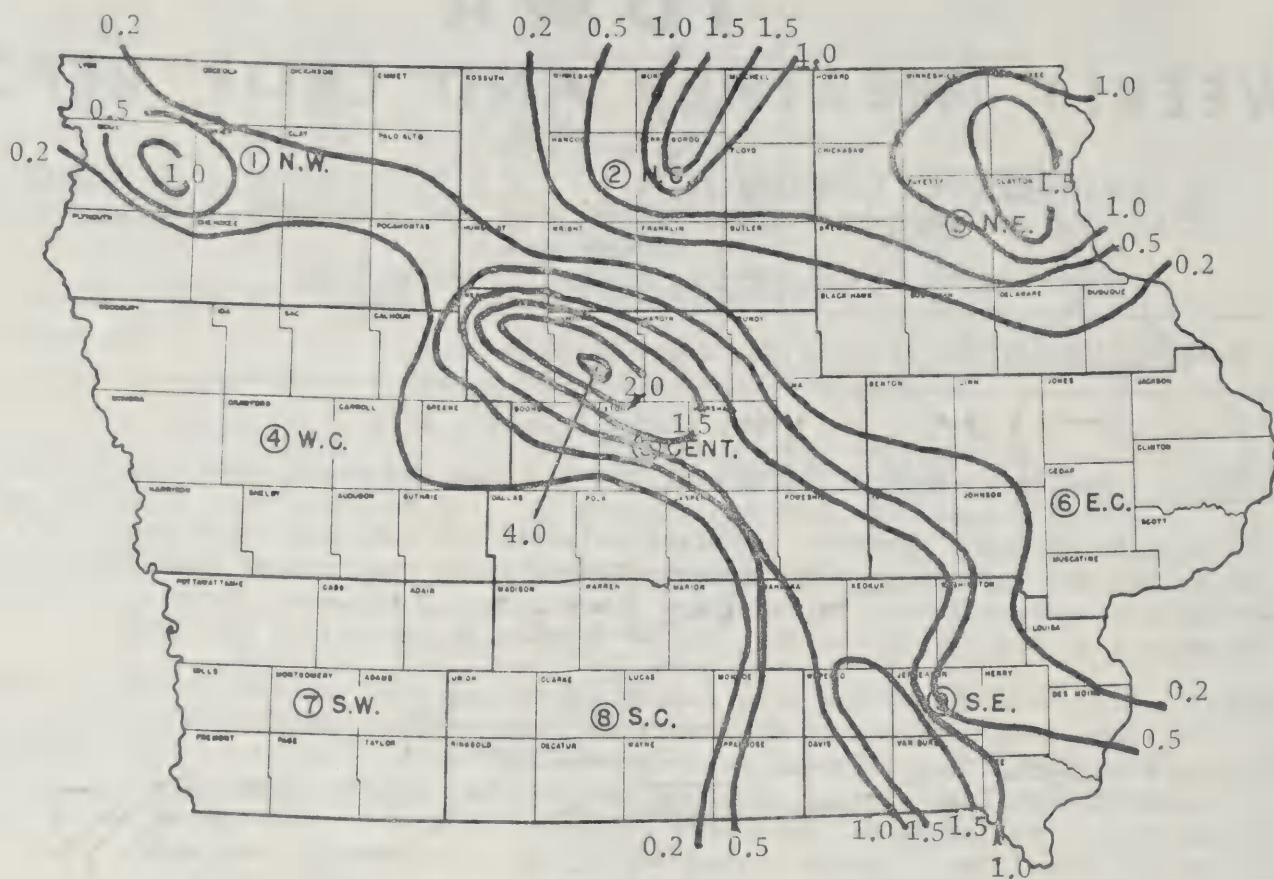
* Departures computed from 1941-70 normals.

(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons)

(OVER)

AUG 13 1974

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 76 | +3 | +6 | +6 | 0.3 | -0.4 | -1.1 | -1.8 |
| 2-NC | 75 | +2 | +5 | +5 | 0.6 | -0.2 | -0.8 | -1.6 |
| 3-NE | 73 | 0 | +3 | +4 | 0.6 | -0.2 | -0.5 | -1.3 |
| 4-WC | 78 | +3 | +6 | +7 | 0.1 | -0.6 | -1.4 | -2.4 |
| 5-C | 76 | +1 | +4 | +5 | 0.7 | -0.1 | -0.5 | -0.8 |
| 6-EC | 75 | 0 | +2 | +3 | 0.2 | -0.6 | -0.7 | -0.9 |
| 7-SW | 82 | +6 | +8 | +8 | 0.1 | -0.7 | -1.3 | -2.8 |
| 8-SC | 80 | +4 | +7 | +7 | 0.1 | -0.7 | -1.1 | -1.0 |
| 9-SE | 75 | -1 | +2 | +3 | 0.8 | 0.0 | -0.2 | +0.4 |

*Departures are computed from 1941-70 normals.

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IMMEDIATE - U. S. WEATHER AND CROP REPORT.
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WEEKLY WEATHER AND CROP REPORT

Prepared jointly by

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NOAA - National Weather Service Statistical Reporting Service

In cooperation with

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IOWA DEPARTMENT OF AGRICULTURE

74-18

Released Monday at 3:00 p.m., CDT, August 5, 1974

Des Moines, Iowa

Week Ending August 5, 1974

WEATHER: A cool week with light to moderate precipitation. Cool weather began early in the week to average 7-10 degrees subnormal which reversed a 4 week or longer hot spell in Iowa. Above normal weekly precipitation was measured from the west central to the east central divisions. Rainfalls were light over the southwest last week where the growing season totals are about 2/3 of the normal, with deficiencies accumulated during the past 8 weeks. At the other extreme, the east central district continues with about 25 percent greater than normal rainfall during this growing season. Extreme temperatures ranged last week from 96 degrees at Sidney on July 29th to 43 degrees at Sibley and Carroll on the 30th.

CROPS: The crop outlook improved in many areas last week as rain was received over most of Iowa. The southwest and south central areas received almost no rain as drought conditions continued while other areas received only temporary relief. Statewide 5.8 days were suitable for fieldwork compared to the 5 year average of 5.2 days.

Corn: Over 80 percent of the corn fields are 75 percent or more silked compared to the average of 91 percent. Almost 25 percent of the corn is in the dough stage compared to the average of 30 percent. Dry conditions have hurt pollination in many areas as the corn condition ranges from good to very good in the northeast to poor in the southwest, with many burned up fields. Damage from corn rootworm and rootworm beetles continue to be reported.

Soybeans: Seventy-seven percent of the soybeans are blooming compared to the average of 79 percent while 35 percent are setting pods compared to the average of 47 percent. In general the soybeans, though late, are in better condition than the corn with fields in mostly fair to good condition.

Other Crops: The oats harvest is nearly complete with yields and test weight good. The second cutting of alfalfa is 80 percent complete with poor yields and new seeding very spotty. Second cutting red clover is 50 percent complete with yields fair. Pastures are being supplemented with other feeds as dry weather effects continue in most areas of the State.

Moisture: Topsoil moisture is 64 percent short and 36 percent adequate while subsoil moisture is 43 percent short and 57 percent adequate.

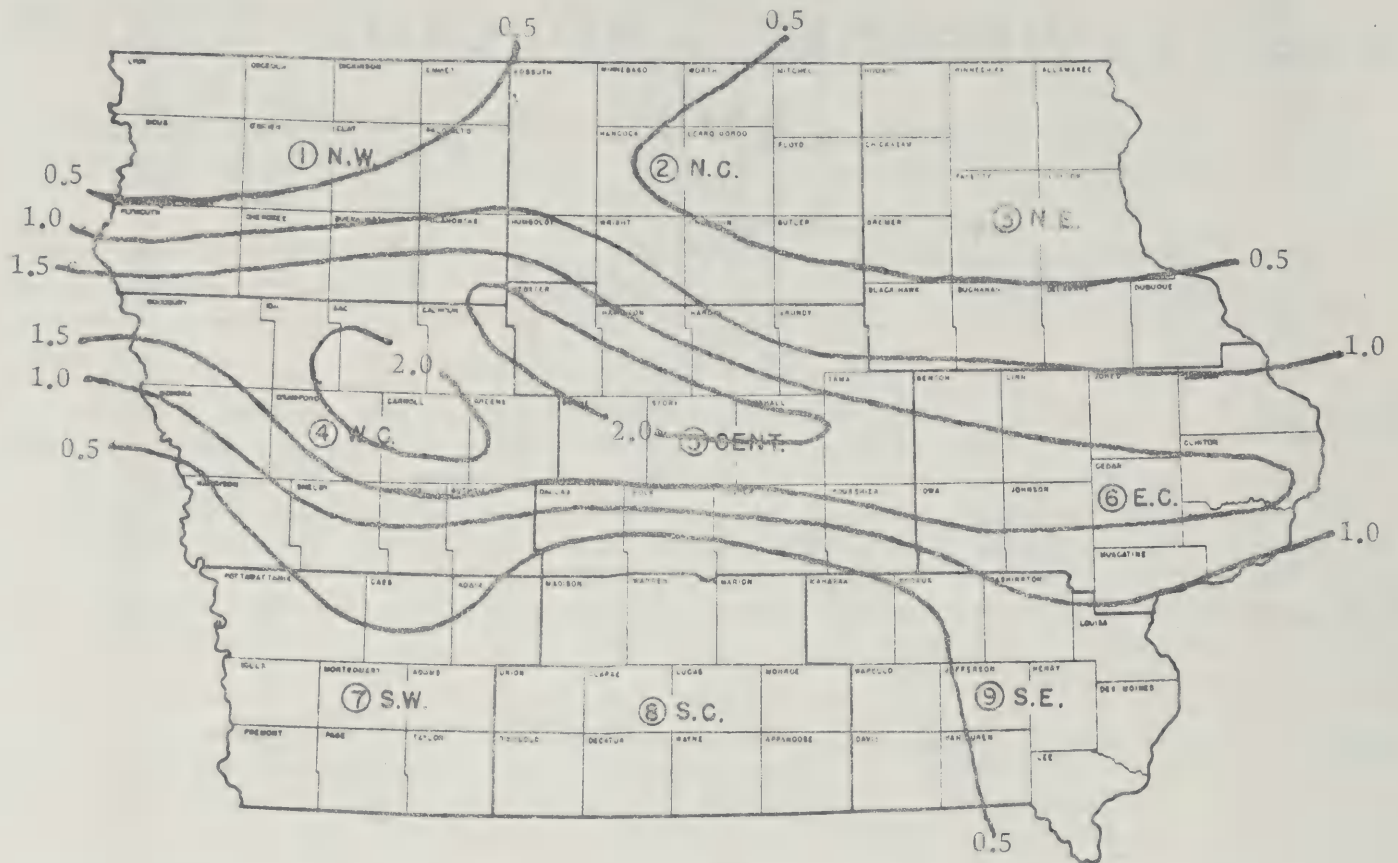
IOWA WEEKLY CROP SUMMARY

AUG 13 1974

| Stage of Crop Progress and/or Development as of August 5, 1974 | Crop Reporting District | | | | | | | | UNIVERSITY OF ILLINOIS AT URBANA-CAMPAIGN | | | 5 Yr. |
|--|-------------------------|-----|-----|-----|-----|-----|-----|-----|--|-------|------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | Ave. | |
| Corn 75 percent or more silked | 92 | 88 | 70 | 90 | 88 | 68 | 72 | 68 | 80 | 80 | 91 | |
| Percent of soybeans podding | 66 | 42 | 24 | 45 | 40 | 22 | 25 | 14 | 11 | 35 | 47 | |
| Days suitable | 6.1 | 6.3 | 6.1 | 5.3 | 4.5 | 5.1 | 6.6 | 6.6 | 5.4 | 5.8 | 5.2 | |
| Topsoil moisture percent short | 76 | 78 | 25 | 73 | 48 | 24 | 100 | 100 | 60 | 64 | --- | |
| Subsoil moisture percent short | 79 | 33 | 12 | 60 | 30 | 18 | 67 | 59 | 30 | 43 | --- | |

| Iowa Growing Degree Data - Week Ending August 2, 1974 | | | | | | | | | |
|---|----------|-------|-------------|-------|--------------|----------|-------|-------------|-------|
| Location | Last Wk. | Dep.* | Since May 1 | Dep.* | Location | Last Wk. | Dep.* | Since May 1 | Dep.* |
| Rock Rapids | 132 | -29 | 1650 | 0 | Boone | 125 | -39 | 1649 | -62 |
| Storm Lake | 128 | -29 | 1550 | -54 | Cedar Rapids | 138 | -28 | 1658 | -79 |
| Mason City | 142 | -11 | 1633 | +46 | Clarinda | 160 | -13 | 1877 | +28 |
| Fayette | 122 | -31 | 1521 | -63 | Corydon | 143 | -32 | 1735 | -91 |
| Denison | 132 | -32 | 1739 | +41 | Fairfield | 138 | -34 | 1720 | -130 |

* Departures computed from 1941-70 normals.



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (Inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 64 | -9 | -3 | +2 | 0.7 | -0.1 | -0.5 | -1.2 |
| 2-NC | 65 | -7 | -3 | +2 | 0.8 | 0.0 | -0.2 | -0.6 |
| 3-NE | 65 | -7 | -4 | +1 | 0.4 | -0.5 | -0.7 | -1.3 |
| 4-WC | 67 | -7 | -2 | +3 | 1.4 | +0.6 | 0.0 | -1.1 |
| 5-C | 65 | -9 | -4 | +1 | 1.4 | +0.5 | +0.4 | -0.3 |
| 6-EC | 65 | -9 | -5 | 0 | 1.5 | +0.7 | +0.1 | +0.4 |
| 7-SW | 68 | -7 | -1 | +5 | 0.2 | -0.7 | -1.4 | -2.8 |
| 8-SC | 67 | -8 | -2 | +4 | 0.2 | -0.7 | -1.4 | -2.5 |
| 9-SE | 66 | -10 | -6 | 0 | 0.6 | -0.2 | -0.2 | -0.9 |

*Departures are computed from 1941-70 normals.

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WEEKLY WEATHER AND CROP REPORT

Prepared jointly by
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NOAA - National Weather Service
U. S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service

In cooperation with

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IOWA DEPARTMENT OF AGRICULTURE

74-19

Released Monday at 3:00 p.m., CDT, August 12, 1974

Des Moines, Iowa

Week Ending August 12, 1974

WEATHER: Generally mild temperatures prevailed through the week averaging 3 degrees below normal. A high of 89 degrees was recorded at Clarinda and Red Oak on the 8th. Temperatures dipped into the upper 40's on the morning of the 6th with a low of 46 degrees at Atlantic. Locally heavy showers late in the week brought the weeks average precipitation above normal in all except the southwest and south central counties where it was near normal. Heavy showers over the weekend produced locally over 6 inches in portions of Marshall and Tama counties. Unofficial amounts of up to 5 inches was reported in the Walnut area in southwestern Iowa about mid-week.

CROPS: Cool weather continued last week and general rains were received over most of the State Friday and Saturday which improved the crop outlook. Statewide 6.0 days were suitable for fieldwork compared to the 1968-72 average of 5.3 days. The main concern for crops now is the frost date this fall.

Corn: Most of the corn fields are silked with 40 percent in or past the dough stage. The corn condition ranges from very poor to poor in the southwest and south central to fair to very good over the remainder of the State. Crop conditions in the north central are some of the best in the State at this time. The weekend rains were too late to offer much help in many areas. Rootworm beetles and aphids continue to damage some corn.

Soybeans: Nearly all the soybeans are blooming or more advanced with 68 percent setting pods compares with the 5 year average of 67 percent. Soybeans are generally in better condition than the corn ranging from fair to very good. The rains should prove to be much more timely for the soybeans than the corn.

Other Crops: With most of the oats harvested, reports indicate good yields and test weights and an abundance of straw. The third cutting of alfalfa has started and is 18 percent complete with fair yields. The second cutting of red clover is 55 percent complete with fair yields. Pasture growth has started after the recent rains but is very short.

Moisture: As of Friday, August 9, topsoil moisture was 55 percent short, 45 percent adequate and subsoil moisture was 46 percent short, 54 percent adequate. Rains ranging from light to very heavy were received over the weekend causing localized erosion and flooding. Up to 7 inches of rain was received in some areas and some small hail was also reported.

IOWA WEEKLY CROP SUMMARY

| Stage of Crop Progress and/or Development as of August 12, 1974 | Crop Reporting District | | | | | | | | | | 5 Yr. Ave. |
|---|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|---------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | |
| Corn percent in dough stage | 42 | 43 | 24 | 42 | 47 | 32 | 43 | 42 | 53 | 40 | 49 |
| Percent of soybeans podding | 86 | 68 | 60 | 74 | 66 | 54 | 64 | 44 | 60 | 68 | 67 |
| Days suitable | 6.3 | 5.9 | 6.3 | 6.1 | 5.7 | 5.6 | 6.4 | 6.2 | 5.0 | 6.0 | 5.3 |

Iowa Growing Degree Data - Week Ending August 9, 1974

| Location | Last Wk. | Dep.* | Since May 1 | Dep.* | Location | Last Wk. | Dep.* | Since May 1 | Dep.* |
|-------------|----------|-------|-------------|-------|--------------|----------|-------|-------------|-------|
| Rock Rapids | 111 | -44 | 1761 | - 44 | Boone | 101 | -52 | 1751 | -118 |
| Storm Lake | 101 | -49 | 1651 | -103 | Cedar Rapids | 126 | -32 | 1784 | -111 |
| Mason City | 116 | -31 | 1749 | + 15 | Clarinda | 123 | -45 | 2000 | - 17 |
| Fayette | 111 | -36 | 1632 | - 99 | Corydon | 117 | -50 | 1852 | -141 |
| Denison | 110 | -47 | 1849 | - 6 | Fairfield | 114 | -53 | 1834 | -183 |

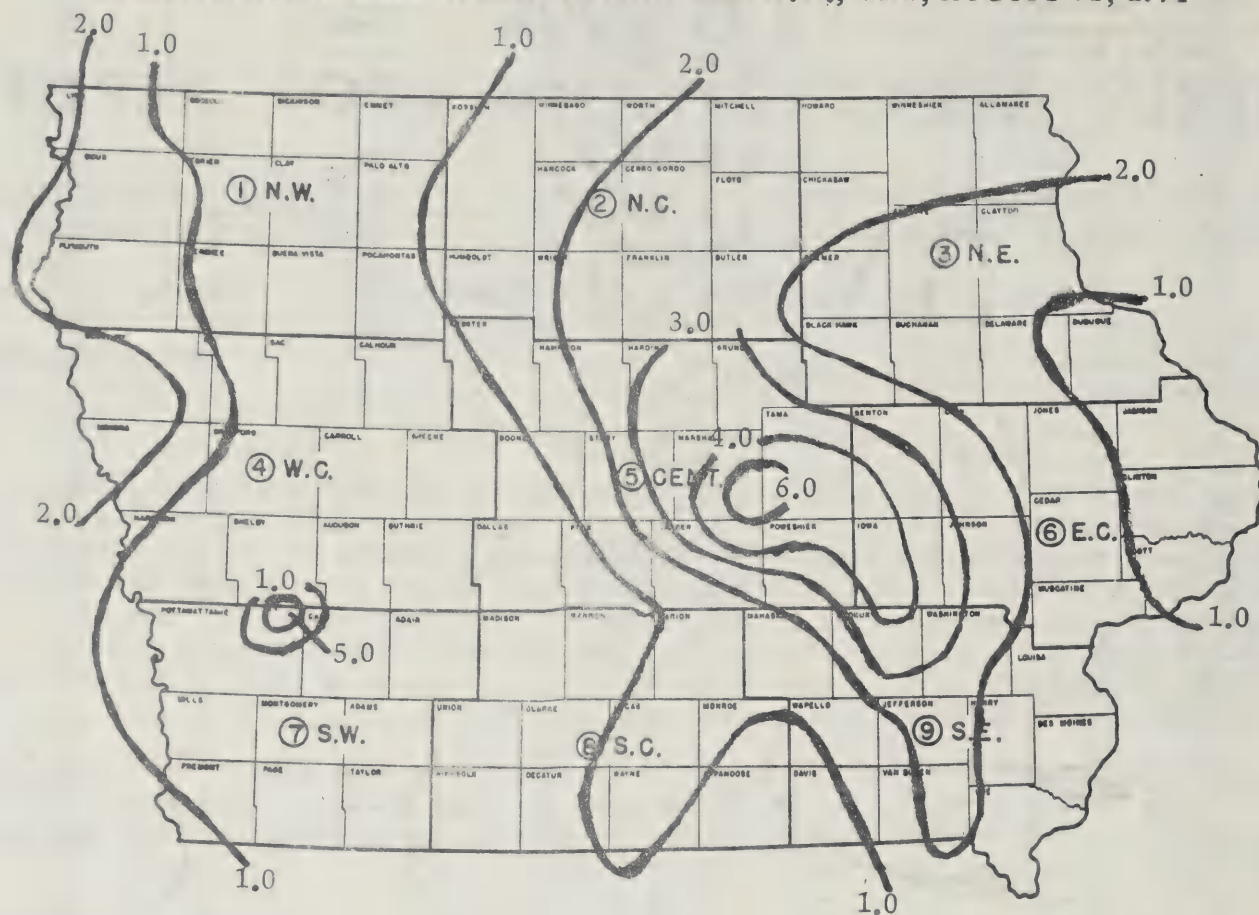
*Departures computed from 1941-70 normals.

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(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

PRECIPITATION FOR WEEK ENDING 6:00 A.M., CDT, AUGUST 12, 1974



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|------------|--------------|--------------|------------------------|------------|--------------|--------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 69 | -3 | -6 | 0 | 1.2 | +0.4 | +0.3 | -0.8 |
| 2-NC | 69 | -2 | -5 | 0 | 2.2 | +1.4 | +1.4 | +0.6 |
| 3-NE | 70 | -1 | -4 | -1 | 1.1 | +0.3 | -0.2 | -0.7 |
| 4-WC | 70 | -3 | -5 | +1 | 1.1 | +0.2 | +0.8 | -0.6 |
| 5-C | 70 | -3 | -6 | -1 | 3.0 | +2.1 | +2.6 | +2.1 |
| 6-EC | 70 | -3 | -6 | -2 | 2.8 | +2.0 | +2.7 | +2.0 |
| 7-SW | 70 | -3 | -5 | +2 | 0.8 | -0.2 | -0.9 | -2.2 |
| 8-SC | 72 | -2 | -5 | +1 | 0.8 | -0.1 | -0.8 | -1.9 |
| 9-SE | 72 | -3 | -7 | -2 | 1.9 | +1.0 | +0.8 | +0.6 |

*Departures are computed from 1941-70 normals.

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IMMEDIATE - U. S. WEATHER AND CROP REPORT.
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I O W A

WEEKLY WEATHER AND CROP REPORT

Prepared jointly by
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NOAA - National Weather Service Statistical Reporting Service

In cooperation with

121 IOWA DEPARTMENT OF AGRICULTURE 74-20

Released Monday at 3:00 p.m., CDT, August 19, 1974 Des Moines, Iowa

Week Ending August 19, 1974

WEATHER: Temperatures ranged from a degree or 2 above normal western and southern districts to normal in the northeastern district. Warmest day was the 12th with high temperatures of 98 degrees at Corning. Coolest day was Saturday the 17th with maxima in the 70's. Lowest temperature of 50 degrees at Mason City came the morning of the 13th. Other days were seasonable and there was considerable sunshine between storm periods. Rainfall was only about 1/3 of normal in the extreme northeast but more than twice normal in the southwest part of the State. Thunderstorms gave locally heavy rains mainly across southern sections early in the week and again toward the weekend and northwestern localities received their's on Sunday. Thunderstorms were at times severe with large hail. Greatest reported rainfall for the week was 5.18 inches at Logan in Harrison county.

CROPS: General rains continued last week over most of the state and improved the outlook for row crops. Statewide 4.2 days were suitable for fieldwork compared to the 1968-72 average of 6.1 days. Moisture supplies are now adequate in most areas and the farmer's main concern is the frost date. A late frost will be necessary if many of the late fields are to mature.

Corn: Nearly 58 percent of the corn is in or past the dough stage compared to the average of 62 percent. Twenty percent is dented compared to the average of 24 percent. The corn in the west was hurt earlier by poor pollination and is in poor to fair condition while the central and east are in fair to excellent condition. Since pollination was nearly complete before the rains, the main help for corn will be better filling of kernels already present and higher test weights.

Soybeans: Eighty percent of the soybeans are setting pods or more advanced, the same as the average. Leaves in some fields have started to turn although in other fields more blooms and pods have set on because of recent rains and the outlook for beans has improved. The condition of soybeans ranges from poor in the southwest to good in the northern one-third, central, and east central areas.

Other Crops: Third cutting alfalfa is 24 percent complete and second cutting clover is 65 percent complete with fair yields. Growth in forage crops and pastures has been good the last week.

Moisture: Topsoil moisture is 21 percent short, 72 percent adequate, and 7 percent surplus. Subsoil moisture is 27 percent short, 71 percent adequate and 2 percent surplus. Some scattered hail and high wind damage was reported.

IOWA WEEKLY CROP SUMMARY

| Stage of Crop Progress and/or Development as of August 19, 1974 | Crop Reporting District | | | | | | | | | | 5 Yr. |
|---|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | Ave. |
| Corn percent in dough stage | 74 | 52 | 50 | 62 | 64 | 46 | 60 | 48 | 58 | 58 | 62 |
| Corn percent in dent stage | 38 | 10 | 15 | 15 | 16 | 18 | 32 | 22 | 30 | 20 | 24 |
| Percent of soybeans podding | 96 | 82 | 84 | 90 | 76 | 62 | 94 | 60 | 68 | 80 | 80 |
| Days Suitable | 5.5 | 5.0 | 5.4 | 3.4 | 3.6 | 3.8 | 3.0 | 3.9 | 3.4 | 4.2 | 6.1 |

Iowa Growing Degree Data - Week Ending August 16, 1974

| Location | Last Wk. | Dep.* | Since May 1 | Dep.* | Location | Last Wk. | Dep.* | Since May 1 | Dep.* |
|-------------|----------|-------|-------------|-------|--------------|----------|-------|-------------|-------|
| Rock Rapids | 138 | - 9 | 1899 | - 53 | Boone | 148 | - 5 | 1899 | -123 |
| Storm Lake | 131 | -13 | 1782 | -116 | Cedar Rapids | 162 | +12 | 1946 | - 99 |
| Mason City | 149 | +10 | 1898 | + 25 | Clarinda | 170 | +11 | 2170 | - 6 |
| Fayette | 146 | + 7 | 1778 | - 92 | Corydon | 155 | - 5 | 2007 | -146 |
| Denison | 137 | -12 | 1986 | - 18 | Fairfield | 168 | + 8 | 2002 | -175 |

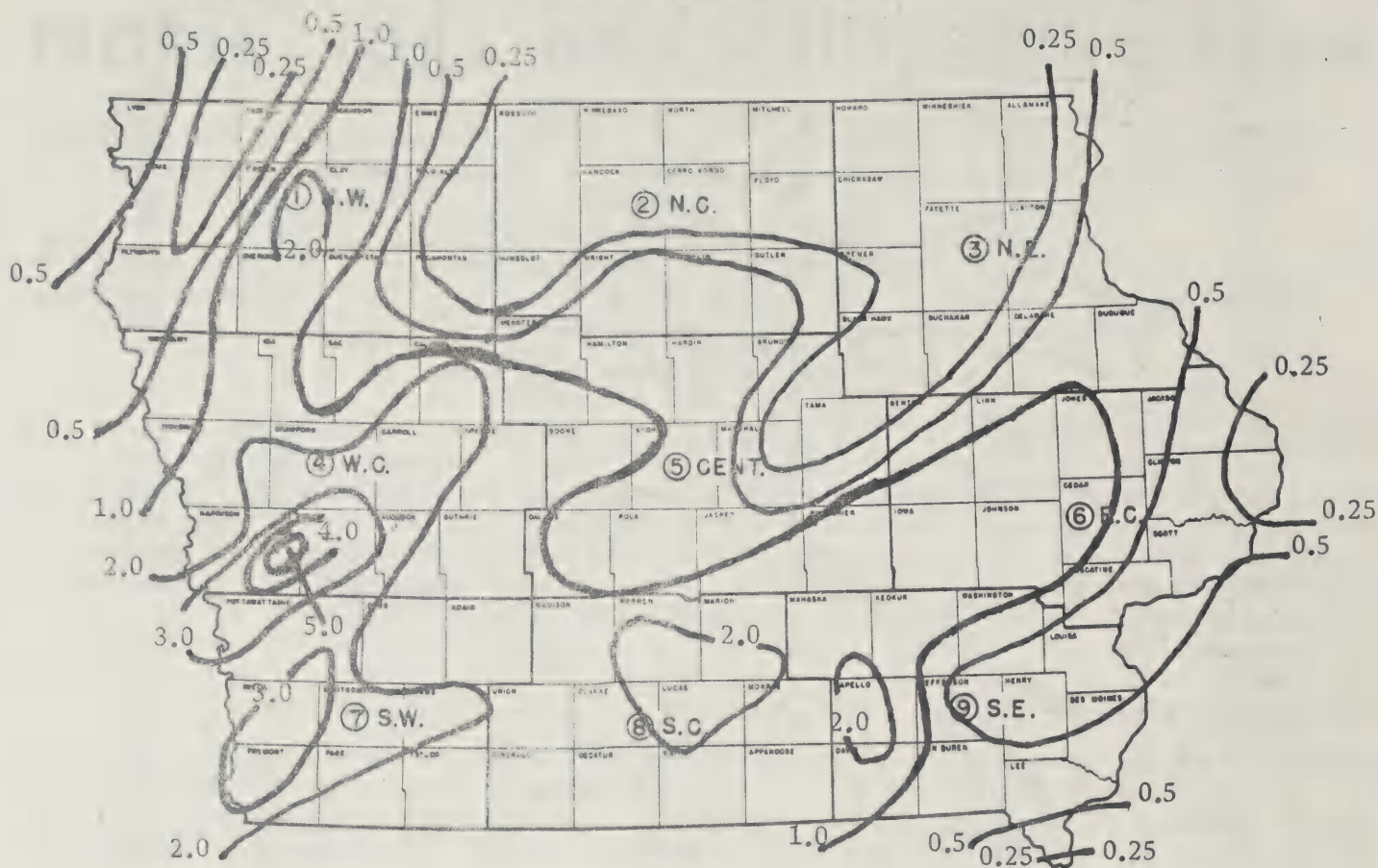
* Departures computed from 1941-70 normals.

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(Crop and field developments are estimates through Monday based on reports of 1974 correspondents through Saturday and weekly trends in similar seasons.)

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

PRECIPITATION FOR WEEK ENDING 6:00 A.M., CDT, AUGUST 19, 1974



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1-NW | 72 | +1 | -1 | -2 | 0.8 | 0.0 | +0.4 | -0.1 |
| 2-NC | 70 | 0 | -1 | -2 | 0.3 | -0.5 | +0.9 | +0.7 |
| 3-NE | 70 | 0 | -1 | -2 | 0.2 | -0.6 | -0.3 | -1.0 |
| 4-WC | 73 | +1 | -1 | -2 | 2.0 | +1.1 | +1.3 | +1.3 |
| 5-C | 72 | 0 | -2 | -3 | 0.7 | -0.1 | +2.1 | +2.4 |
| 6-EC | 72 | 0 | -2 | -3 | 1.0 | +0.2 | +2.2 | +2.3 |
| 7-SW | 75 | +2 | -1 | -1 | 2.4 | +1.4 | +1.2 | -0.2 |
| 8-SC | 75 | +3 | +1 | -1 | 1.7 | +0.8 | +0.7 | -0.7 |
| 9-SE | 74 | +1 | -1 | -3 | 0.9 | 0.0 | +1.0 | +0.8 |

*Departures are computed from 1941-70 normals.

Corn and soybean district estimates for 1969-74 are available upon request.

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WEEKLY WEATHER AND CROP REPORT

U. S. DEPARTMENT OF COMMERCE
NOAA - National Weather Service

Prepared jointly by

U. S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service

In cooperation with

IOWA DEPARTMENT OF AGRICULTURE

121

74-1

Released Monday at 3:00 p.m., CDT, April 8, 1974

Des Moines, Iowa

Week Ending April 8, 1974

WEATHER: Temperatures averaged from normal central and southwestward to a couple degrees below normal elsewhere. The first part of the week was quite warm; Missouri Valley reported highest of 69 degrees on the 2nd. Cool conditions the latter part of the week; lowest reported was 21 degrees at Waterloo on the 8th. Precipitation fell mainly on the 3rd and 4th beginning as rain and scattered thunderstorms and changing to snow, all associated with a low pressure system the center of which passed near the southern side of Iowa on the 3rd. Heavy amounts (over an inch) fell in central sections and north central sections. Knoxville had 1.97 inches and Rockwell City had 1.91 inches. Northwestern section received 1-3 inches of snow on the 3rd. Friday and Saturday were mostly sunny. There was considerable wind throughout the week. The season's first hail stones fell across the southeast edge of the State on the 3rd.

CROPS: Field work underway but impeded at mid-week due to rain and snow. Frost is out of the ground except for areas in the northern part of the State. Fields have been seasonally slow in drying for sustained field work but in the drier areas the soil was in good tilth and good working condition. Over two days suitable for field work for week ending Friday, April 6. Plowing, fall and spring, was 62 percent completed for this year compared to 28 percent a year earlier and 1968-72 average of 51 percent.

Oat seeding was 20 percent complete on April 8 compared to 14 percent a year earlier, and the 1968-72 average of 24 percent. Small grain seeding is the furthest ahead in the west central and central areas. Other farm activities consisted of disking, shredding stalks, fertilizing, corn shelling, repairing machinery and livestock care.

Topsoil moisture reports as of Friday indicated sufficient moisture except for several reports of shortages in the northwest and west central areas. The reports received indicated 57 adequate, 42 percent surplus and 1 percent short. Subsoil moisture 76 percent adequate, 23 percent surplus and 1 percent short. Surplus topsoil and subsoil moisture is reported in all crop reporting districts.

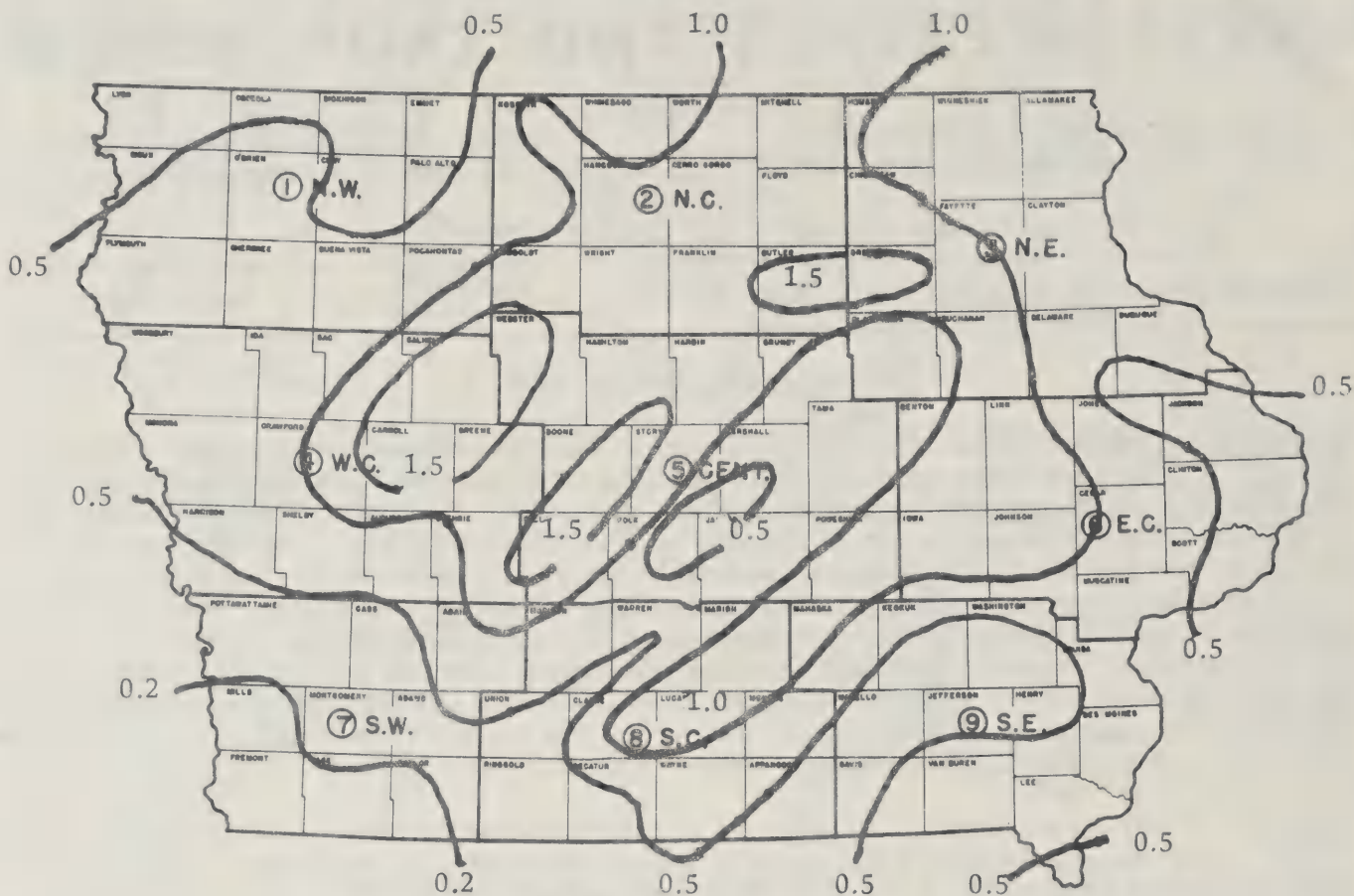
Supply of fertilizer materials is expected to be short of needs.

(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

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PRECIPITATION FOR WEEK ENDING APRIL 8, 1974



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| NW | 41 | -3 | -1 | | 0.6 | +0.1 | -0.2 | |
| NC | 42 | -2 | -2 | | 1.2 | +0.7 | +0.7 | |
| NE | 42 | -2 | -3 | | 1.0 | +0.4 | +0.8 | |
| WC | 45 | -1 | +2 | | 1.2 | +0.7 | +0.3 | |
| C | 46 | 0 | +1 | | 1.3 | +0.7 | +0.4 | |
| EC | 46 | -2 | -3 | | 1.0 | +0.3 | +1.0 | |
| SW | 48 | 0 | +3 | | 0.4 | -0.2 | -0.7 | |
| SC | 48 | 0 | +2 | | 0.7 | 0 | -0.3 | |
| SE | 48 | -1 | -1 | | 0.6 | -0.1 | +0.3 | |

*Departures are computed from 1941-70 normals.

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WEEKLY WEATHER AND CROP REPORT

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NOAA - National Weather Service

U. S. DEPARTMENT OF AGRICULTURE
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IOWA DEPARTMENT OF AGRICULTURE

74-2

Released Monday at 3:00 p.m., CDT, April 15, 1974

Des Moines, Iowa

Week Ending April 15, 1974

WEATHER: Temperatures averaged near normal across the State. The week began cool Tuesday morning then fairly mild during mid week turning colder again over the weekend. Frost or freezing temperatures occurred over much of the State on the mornings of 9th and 15th. Storm Lake reported the lowest temperature for the week with 22 degrees on the morning of the 9th. The highest was 76 degrees at Missouri Valley also on the 9th during the afternoon. There were frequent periods of strong and gusty winds throughout the week. Showers and thunderstorms occurred on the 9th, 11th, 13th, and 14th. Locally heavy rains were reported in the east central division on the night of the 13-14 with Cedar Rapids receiving 1.93, Dubuque 1.65 and Walford 2.78 inches.

CROPS: Fieldwork made good progress through Wednesday. A general rain over most of the State on Thursday and Friday, cloudy weather and poor drying conditions slowed fieldwork near the end of the week. Four days were suitable for fieldwork during the week. Plowing, fall and spring, is 70 percent complete. Plowing is least advanced in the northwest and northeast parts of the State. This compares with 32 percent plowed a year earlier, when wet conditions and a blizzard on April 9th brought fieldwork to a standstill for over a week and to the 1968-72 average of 50 percent. Other field activity consists of discing, stalk shredding and fertilizer application.

Oat seeding was 58 percent complete on April 15. This is well ahead of a year earlier when 22 percent was seeded and compares with the 1968-72 average of 50 percent. Oat seeding is least advanced in the northeast part of the State where fields have been slow in drying.

Topsoil moisture is 68 percent adequate, 30 percent surplus and 2 percent short. However, the shortage is not considered as serious and was alleviated by the rain on Thursday and Friday.

Pastures are greening up but warm sunny weather is needed for growth.

(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

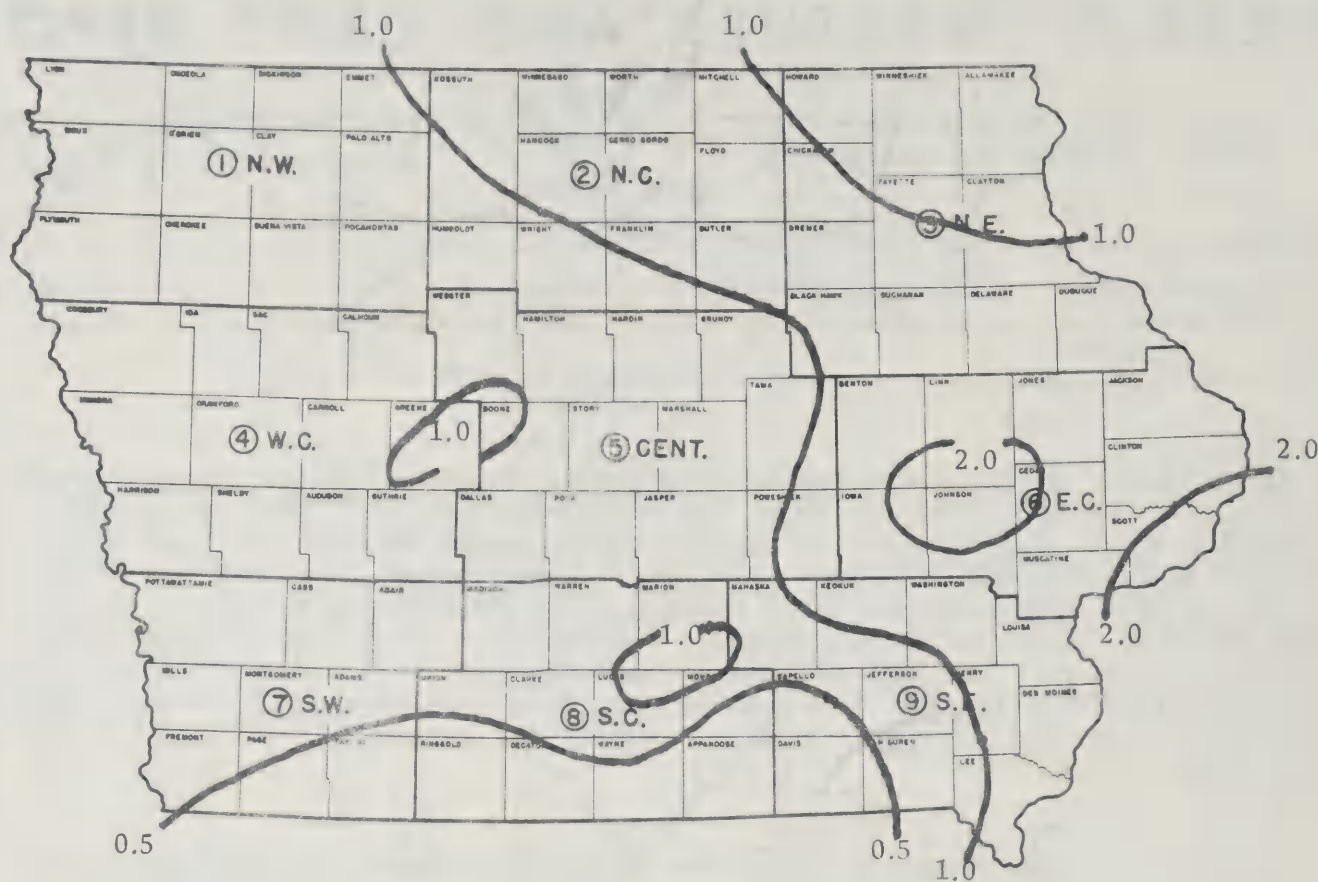
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UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

PRECIPITATION FOR WEEK ENDING APRIL 15, 1974



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| NW | 47 | 0 | -2 | | 0.7 | +0.2 | +0.3 | |
| NC | 46 | -1 | -2 | | 0.9 | +0.3 | +1.0 | |
| NE | 47 | -1 | -2 | | 1.0 | +0.3 | +0.7 | |
| WC | 49 | -1 | -1 | | 0.7 | +0.1 | +0.8 | |
| C | 49 | -1 | -1 | | 0.9 | +0.2 | +0.9 | |
| EC | 49 | -1 | -2 | | 1.5 | +0.7 | +1.0 | |
| SW | 50 | -1 | -1 | | 0.6 | -0.1 | -0.3 | |
| SC | 50 | -1 | -1 | | 0.8 | 0.0 | 0.0 | |
| SE | 50 | -2 | -2 | | 1.0 | +0.2 | +0.1 | |

*Departures are computed from 1941-70 normals.

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IOWA DEPARTMENT OF AGRICULTURE

74-3

Released Monday at 3:00 p.m., CDT, April 22, 1974

Des Moines, Iowa

Week Ending April 22, 1974

WEATHER: Although the week started and ended cool, it was mainly mild with temperatures averaging near 2 degrees above normal. Reported extremes were lowest of 25 degrees at Cherokee and at Elkader on the morning of the 16th, and highest of 80 degrees at Red Oak on the 19th and at Davenport on the 20th. A few showers were reported extreme west on 15th and eastern sections on 18th, but rain and thunderstorms were more general across the State on the 20th which gave a band of heavy rainfall from southwest to north central districts. A number of places were over 2 inches and Clarinda reported 3.03 inches. Several widely scattered places had marble size hail. Gusty winds on the weekend ran 40-50 miles per hour. Local streams were filled by the heavy rain, but only minor flooding. For the week the north and eastern districts averaged about 1/2 the normal rainfall.

CROPS: Fieldwork moved ahead of a year ago but was brought to a virtual standstill at week's end by a general rain over the State on April 20. The rain, and sunny weather which followed, was beneficial for fall seeded crops, pastures, legumes, and newly seeded oat fields.

Oats: Oat seeding is 82 percent complete. This is well above the 34 percent seeded by this date a year earlier and compares with the 1968-72 average of 70 percent. Completion of oat seeding ranged from about 60 percent in the north central and northeast area to over 90 percent in the west central area.

Corn: Corn planting has started in scattered areas, mainly in the southern third of the State but soil temperatures remain too cool in most areas.

Plowing: Plowing, including fall, is 78 percent complete. This is well above the 34 percent completed a year ago and compares with the 1968-72 average of 68 percent. Due to recent rains, some fields are still too wet but most fields are in good working condition.

Topsoil Moisture: Topsoil moisture reports as of Friday indicated 83 percent adequate, 15 percent surplus and 2 percent short. Shortage was reported in the northwest and southwest parts of the State.

Pastures: Pastures have made slow growth and are supplying less than average amounts of feed. Early indications of legume seedings winter-killed show about 8 percent loss, slightly more than a year earlier. However, in later developing areas growth is seasonally slow.

(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

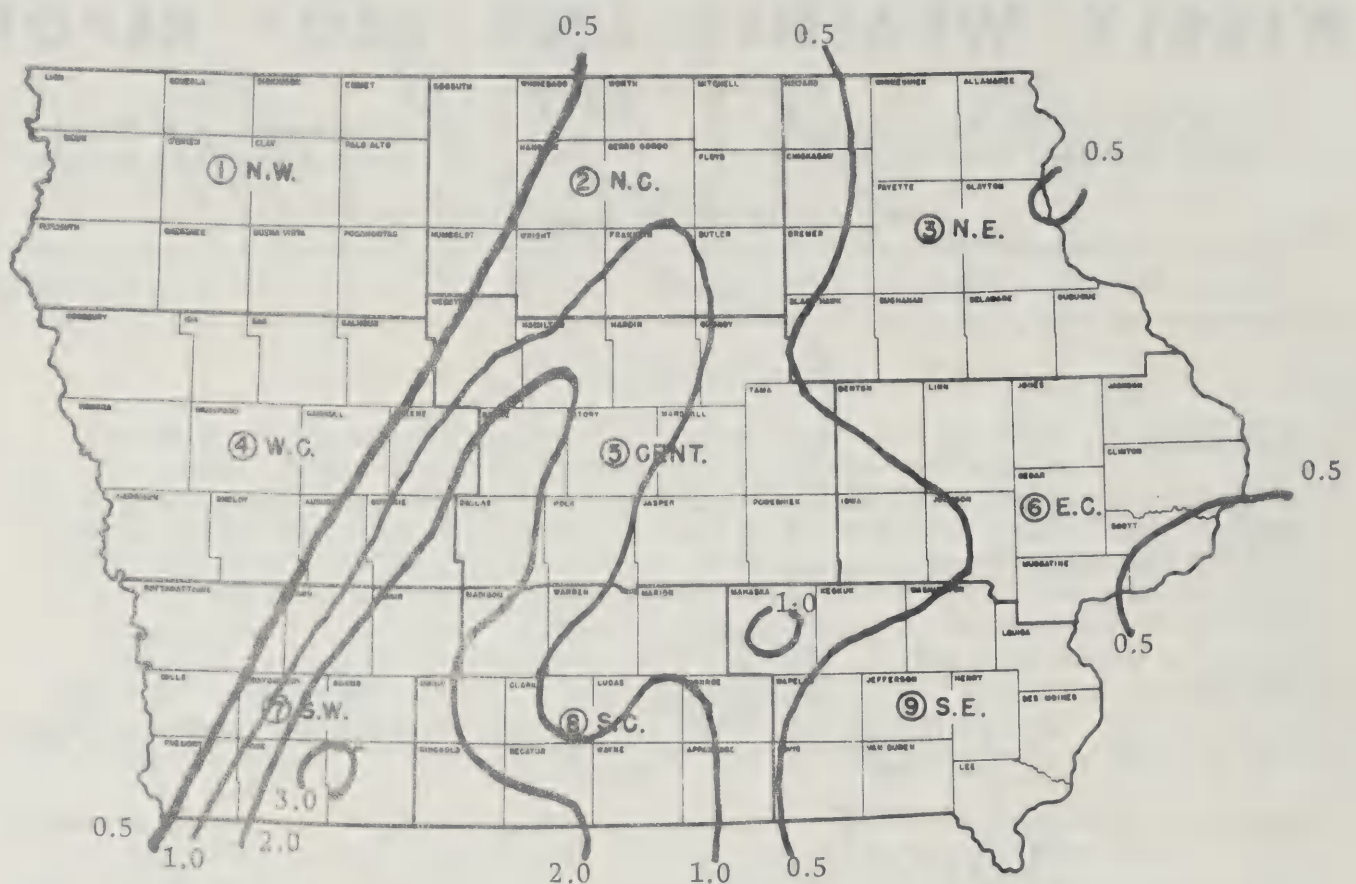
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UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

PRECIPITATION FOR WEEK ENDING APRIL 22, 1974



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| NW | 52 | +2 | +1 | 0 | 0.2 | -0.4 | -0.2 | -0.4 |
| NC | 52 | +2 | +1 | -1 | 0.7 | 0 | +0.3 | +1.0 |
| NE | 52 | +2 | +1 | -1 | 0.4 | -0.4 | -0.1 | +0.7 |
| WC | 53 | +1 | 0 | +1 | 0.9 | +0.2 | +0.3 | +0.6 |
| C | 54 | +2 | +1 | +1 | 1.3 | +0.5 | +0.7 | +1.1 |
| EC | 54 | +1 | 0 | -2 | 0.4 | -0.4 | +0.3 | +1.3 |
| SW | 54 | 0 | -1 | +1 | 1.6 | +0.9 | +0.8 | +0.1 |
| SC | 55 | +2 | +1 | +1 | 1.4 | +0.6 | +0.6 | +0.3 |
| SE | 55 | +1 | -1 | -1 | 0.4 | -0.4 | -0.2 | +0.1 |

*Departures are computed from 1941-70 normals.

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IOWA DEPARTMENT OF AGRICULTURE

74-4

Released Monday at 3:00 p.m., CDT, April 29, 1974

Des Moines, Iowa

Week Ending April 29, 1974

WEATHER: Temperatures averaged 3-6 degrees above normal with warming trend through the week. High reading was 86 degrees at Glenwood on Thursday; 22 degrees at Fayette on Wednesday was coolest. Fair weather was dominant until Sunday when heavy thundershowers moved across central and east central sections producing local flooding. The greatest precipitation amount was 5.10 inches at Killduff. Wind damage was reported in Knoxville and West Branch.

CROPS: Five days were suitable for field work for the week ending April 27. Main field work consisted of seed bed preparation, oat seeding and fertilizer application. Corn planting is getting underway but soil temperatures remain cool. Frost occurred at numerous places at mid-week. Most of the soil is in good tilth but the ground is seasonally slow in drying in many areas except the northwest, necessitating farming around wet spots.

OATS: Oat seeding is 95 percent complete, well ahead of the 56 percent seeded a year ago and the 1968-72 average of 88 percent. Seeding ranges from 83 percent in the north central to virtually complete in the central and southeast part of the State. Early seeded oat fields are greening up.

CORN: Corn planting is underway and Statewide is 8 percent complete, about average. This compares with 5 percent planted a year ago. Most advanced is the west central and southern half of the State. Soil temperatures are slow in warming up and have held back planting activity.

PLOWING: Ninety-two percent of the plowing is complete. This is well ahead of the 48 percent plowed a year ago and compares with the average of 78 percent.

PASTURES: Pastures are supplying an average amount of feed. Growth has been slow.

MOISTURE: Topsoil moisture supplies for the week ending April 29 are 84 percent adequate, 9 percent surplus and 7 percent short. A moisture deficit is mainly in the western part of the State.

Subsoil moisture supplies are generally adequate, though some shortages are reported in the northwest portion of the State.

(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

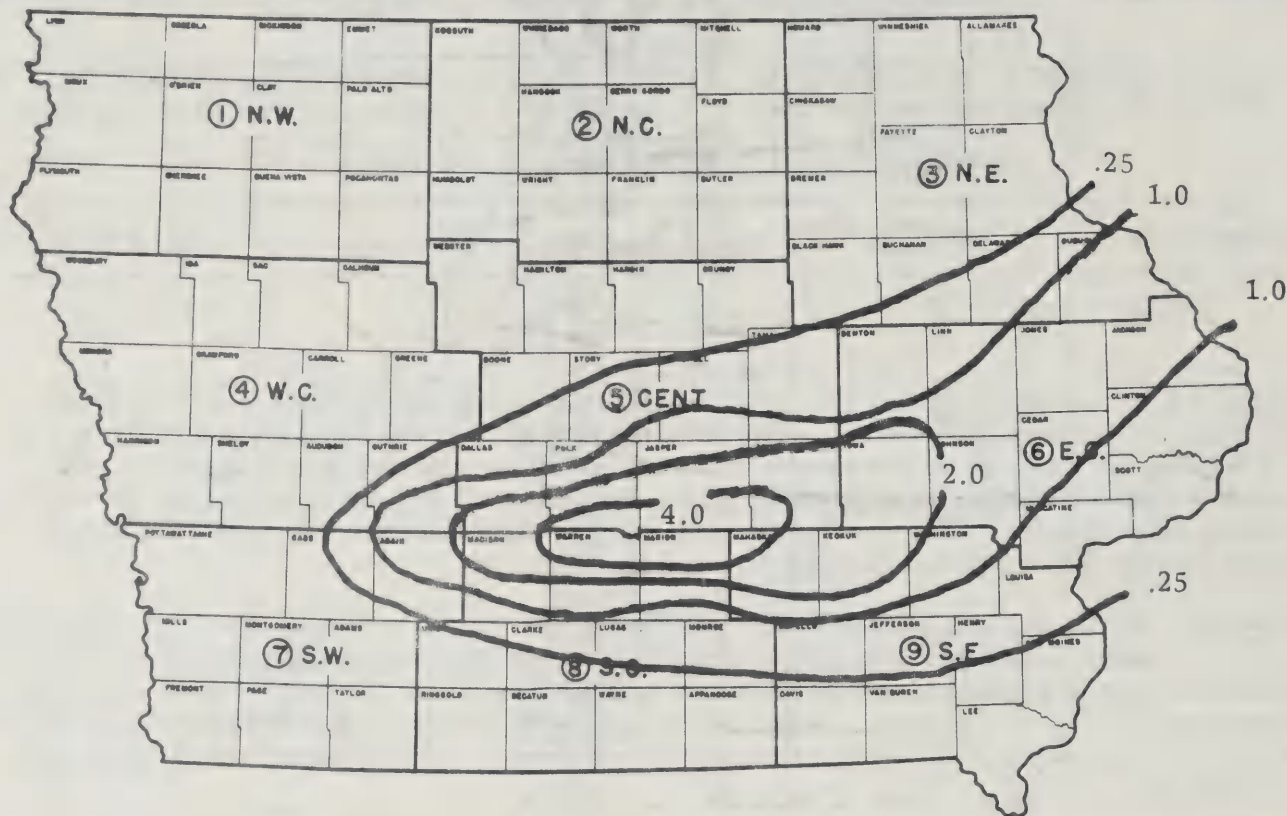
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PRECIPITATION FOR WEEK ENDING APRIL 29, 1974



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| NW | 59 | +6 | +4 | +1 | 0.1 | -0.6 | -1.0 | -0.7 |
| NC | 58 | +5 | +4 | +1 | 0.1 | -0.7 | -0.7 | +0.3 |
| NE | 58 | +5 | +4 | +1 | 0.3 | -0.5 | -0.9 | -0.2 |
| WC | 60 | +6 | +4 | +1 | 0.2 | -0.6 | -0.4 | +0.4 |
| C | 60 | +5 | +4 | +2 | 1.1 | +0.3 | +0.8 | +1.7 |
| EC | 58 | +3 | +2 | 0 | 1.0 | +0.1 | -0.3 | +0.7 |
| SW | 60 | +4 | +2 | +1 | 0.2 | -0.6 | +0.3 | 0.0 |
| SC | 60 | +4 | +3 | +1 | 0.9 | +0.1 | +0.7 | +0.7 |
| SE | 60 | +4 | +3 | +1 | 0.7 | -0.1 | -0.5 | -0.4 |

*Departures are computed from 1941-70 normals.

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121

74-5

Released Monday at 3:00 p.m., CDT, May 6, 1974

Des Moines, Iowa

Week Ending May 6, 1974

WEATHER: Temperatures averaged near to slightly below normal for the week while precipitation averaged well below the normal. Mild weather was interrupted only by brief cold spells Friday and again Sunday and Sunday night. Freezing temperatures were common over the north the morning of May 6th with Mason City reporting 25 degrees for the coldest during the week. Eighty-two degrees at Sioux City on May 2nd was the warmest. Precipitation was confined to scattered thundershowers Thursday night.

CROPS: The past week was excellent in most areas of the State for fieldwork. There was some delay in fieldwork in the central, east central and southeast part of the State due to heavy rains on the weekend of April 29. Erosion occurred in some fields and flooding along streams and in lowlands but the water soon receded. Over 5 days were suitable for fieldwork ranging from nearly a full week across the northern third of the State to 3½ days in the central, east central and southeast portion of the State. Plowing is nearing completion. Soil temperatures remain cool.

Corn: Corn planting moved rapidly along during the week. Forty-four percent of the acreage had been planted as of May 6. This is well above the 1968-71 average of 28 percent and 6 percent a year ago. Some early plantings have emerged.

Oats: Oat seeding is virtually complete. Some oat stands have made sufficient growth to show even color for entire field. Condition of oat stands are 95 percent of normal. Heavy rains caused a moderate amount of erosion in some oat fields in the areas of heavy rains.

Other Crops: Alfalfa and clover stands are mainly fair and good and most are making good growth but in some areas a rain would be beneficial for stimulating growth. Damage by weevils has occurred in some hay fields in the southeast area.

Moisture: Topsoil moisture supplies are 61 percent adequate, 15 percent surplus, across the southern half of the State. Topsoil moisture supplies are 24 percent short for the State. Main moisture shortages are in the west central and northern half of the State, where drying has been accelerated by gusty winds.

IOWA WEEKLY CROP SUMMARY

| Stage of Crop Progress and/or Development as of May 6, 1974 | Crop Reporting District | | | | | | | | | | 5 yr. State Avg. |
|---|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|---------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | |
| Percent of corn planted | 43 | 45 | 32 | 52 | 44 | 32 | 33 | 38 | 42 | 44 | 28 |
| Oat condition as a percent of normal | 88 | 98 | 94 | 97 | 94 | 96 | 97 | 98 | 96 | 95 | 95 |
| Days suitable for fieldwork | 6.8 | 6.6 | 6.3 | 6.2 | 5.4 | 3.7 | 3.6 | 4.1 | 3.6 | 5.3 | 4.7 |

(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

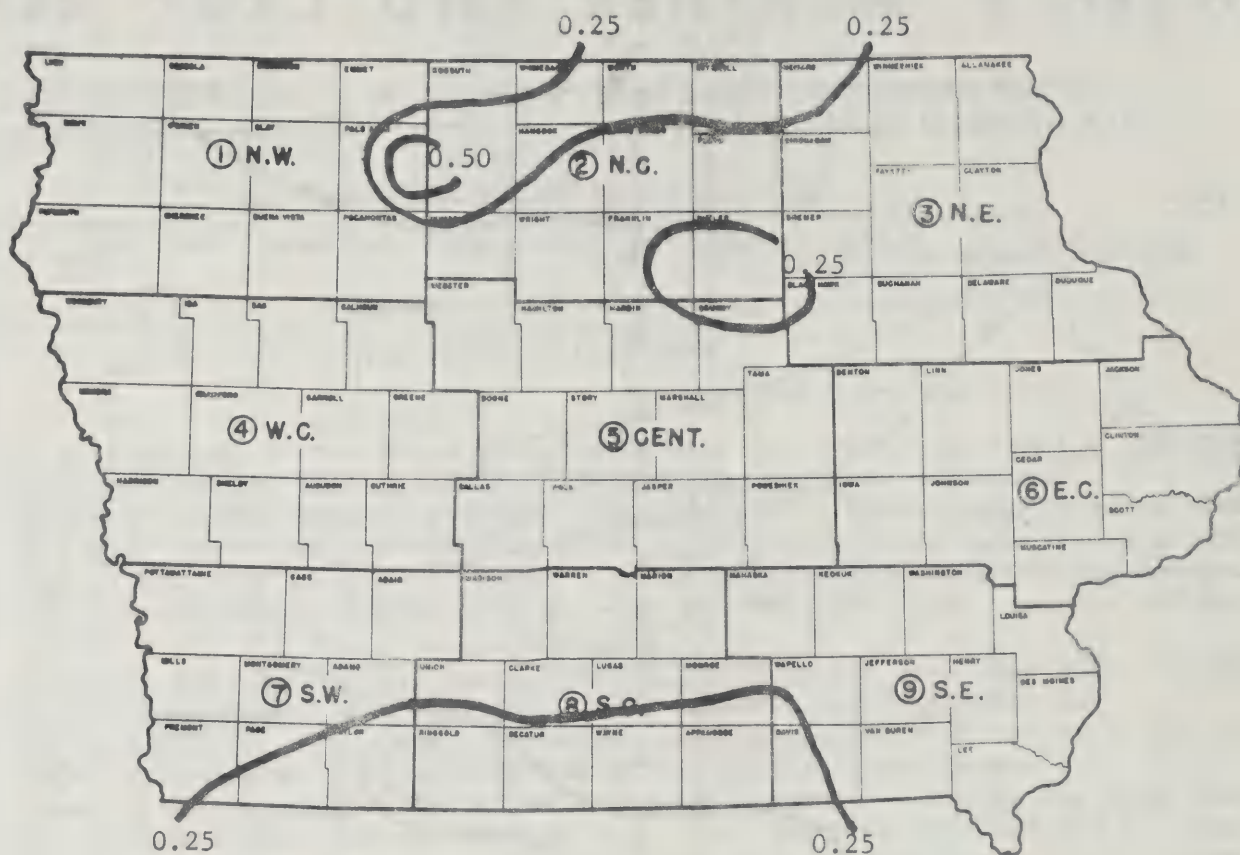
OVER

THE LIBRARY OF THE

JUL 20 1974

UNIVERSITY OF ILLINOIS
AT URBANA CHAMPAIGN

PRECIPITATION FOR WEEK ENDING 6:00 A.M., CDT, MAY 6, 1974



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|------------|--------------|--------------|------------------------|------------|--------------------|--------------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| 1 - NW | 55 | -1 | +3 | +2 | 0.1 | -0.7 | -1.3 | -1.5 |
| 2 - NC | 54 | -1 | +2 | +1 | 0.3 | -0.6 | -1.3 | -1.0 |
| 3 - NE | 55 | 0 | +3 | +2 | 0.1 | -0.7 | -1.2 | -1.3 |
| 4 - WC | 57 | 0 | +3 | +2 | T | -0.9 | -1.5 | -1.2 |
| 5 - C | 57 | 0 | +3 | +2 | 0.1 | -0.8 | -0.5 | +0.2 |
| 6 - EC | 56 | -1 | +1 | +1 | 0.1 | -0.8 | -0.7 | -0.4 |
| 7 - SW | 58 | -1 | +2 | +1 | 0.1 | -0.7 | -0.4 ^{1/} | +0.4 ^{1/} |
| 8 - SC | 58 | 0 | +2 | +1 | 0.2 | -0.7 | -0.6 | 0.0 |
| 9 - SE | 58 | -1 | +2 | +1 | 0.1 | -0.8 | -0.9 | -1.1 |

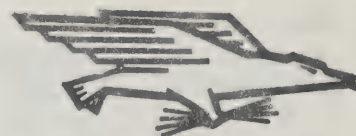
*Departures are computed from 1941-70 normals.

^{1/} Correction: Week ending April 29, 1974 the SW division precipitation should read 1.1 inches.

UNITED STATES DEPARTMENT OF AGRICULTURE
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OFFICIAL BUSINESS

IMMEDIATE - U. S. WEATHER AND CROP REPORT.
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U.S. DEPARTMENT OF COMMERCE
NOAA - National Weather Service

IOWA

WEEKLY WEATHER AND CROP REPORT

Prepared jointly by

U. S. DEPARTMENT OF COMMERCE
NOAA - National Weather Service

U. S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service

In cooperation with

IOWA DEPARTMENT OF AGRICULTURE

121

74-6

Released Monday at 3:00 p.m., CDT, May 13, 1974

Des Moines, Iowa

Week Ending May 13, 1974

WEATHER: Temperatures averaged well below normal for the week as considerable cloudiness and frequent periods of showers and thunderstorms dominated the weather pattern. Precipitation was above normal except in southwest and south central districts where near normal amounts were recorded. Temperature extremes for the week were both on the 7th with 27 degrees at Elkader and 78 degrees at Red Oak.

CROPS: Fieldwork was slowed during the week due to cool cloudy weather and to rain, mainly in the eastern half of the State. Statewide 4 days were suitable for fieldwork.

Corn: Corn planting is 72 percent complete, compared with 18 percent a year earlier and the 1968-72 average of 58 percent.

Soybeans: Soybean plantings are 12 percent complete compared with the average of 16 percent. A year ago soybean planting was starting. Some are delaying planting until the soil temperatures are warmer.

Other Crops: Condition of oat stands are fair to excellent. Clover and alfalfa stands are making good growth and are mainly good. Some stands have weevil damage. Most pastures are good but are slow in making growth.

Moisture: Topsoil moisture is 17 percent short, mainly in the west central and northwest part of the State, 57 percent adequate and 26 percent surplus.

NOTE: As this report was being prepared most of the State received varying amounts of rainfall.

Fertilizer supplies are spotted with nitrogen reported mostly short.

IOWA WEEKLY CROP SUMMARY

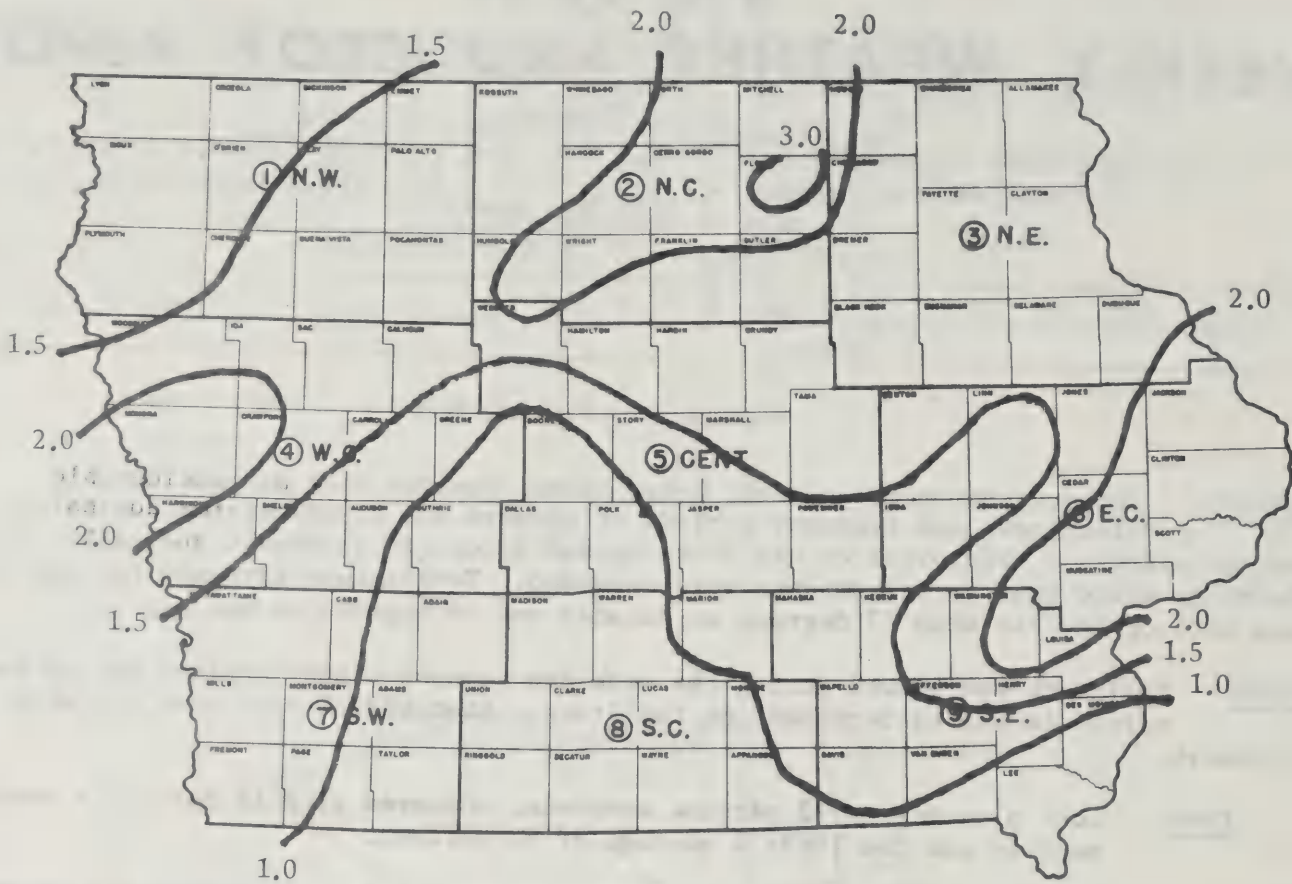
| Stage of Crop Progress and/or Development as of May 13, 1974 | Crop Reporting District | | | | | | | | | | 5 Yr. Avg. |
|--|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|---------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | |
| Percent of corn planted | 84 | 70 | 60 | 82 | 72 | 56 | 78 | 56 | 68 | 72 | 58 |
| Days suitable for fieldwork | 4.9 | 3.0 | 3.3 | 5.1 | 3.0 | 2.6 | 5.6 | 3.6 | 3.0 | 3.9 | 4.8 |

(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

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AT URBANA-CHAMPAIGN



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| NW | 51 | -7 | -4 | 0 | 1.4 | +0.6 | -0.1 | -1.1 |
| NC | 49 | -9 | -5 | -1 | 1.8 | +0.9 | +0.3 | -0.4 |
| NE | 47 | -11 | -6 | -1 | 1.6 | +0.7 | 0.0 | -0.9 |
| WC | 54 | -6 | -3 | 0 | 1.6 | +0.7 | -0.2 | -0.6 |
| C | 51 | -9 | -5 | -1 | 1.3 | +0.3 | -0.5 | +0.3 |
| EC | 49 | -11 | -6 | -2 | 1.8 | +0.7 | -0.1 | -0.4 |
| SW | 57 | -4 | -3 | 0 | 1.0 | +0.1 | -0.6 | +0.6 |
| SC | 53 | -8 | -4 | -1 | 0.8 | -0.1 | -0.8 | -0.1 |
| SE | 50 | -11 | -6 | -2 | 1.5 | +0.6 | -0.2 | -0.7 |

*Departures are computed from 1941-70 normals.

UNITED STATES DEPARTMENT OF AGRICULTURE
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AGRICULTURAL STATISTICIAN
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IMMEDIATE - U. S. WEATHER AND CROP REPORT.
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WEEKLY WEATHER AND CROP REPORT

Prepared jointly by
U. S. DEPARTMENT OF COMMERCE U. S. DEPARTMENT OF AGRICULTURE
NOAA - National Weather Service Statistical Reporting Service

In cooperation with
IOWA DEPARTMENT OF AGRICULTURE

121

74-7

Released Monday at 3:00 p.m., CDT, May 20, 1974 Des Moines, Iowa

Week Ending May 20, 1974

WEATHER: Wet and cool weather continued from the previous week. Heavy showers and thunderstorms dominated Iowa's weather for the week. Rain was especially heavy in a band from west central through central to east central areas where 4 inch totals were common with local areas receiving in excess of 7 inches. Major flooding resulted on rivers and streams in central and southeast Iowa. Temperatures averaged 4-5 degrees below normal north and central to near normal south.

CROPS: Fieldwork was at a near standstill during the past week due to frequent rains and wet soggy fields. Statewide, one and one half days were suitable for fieldwork, ranging from two and one half days along the western third of the State to less than one half day along the eastern third. Warm sunny weather is needed for all crops.

Corn: Corn planting is 76 percent complete, compared with 58 percent a year earlier and the 1968-71 average of 84 percent. About 30 percent of the corn is emerged well ahead of the 4 percent emerged a year earlier. Emergence and growth has been slow due to the cool wet conditions. Some fields may need to be re-planted due to the heavy rains and flooding.

Soybeans: Soybean plantings are 16 percent complete compared with 10 percent a year earlier and the average of 32 percent. Plantings are more advanced in the western third of the State.

Other Crops: Condition of oats are mostly fair and excellent but sunshine and drying weather are needed for development. Hay stands and pastures have made good growth and most are fair to excellent.

Moisture: Topsoil moisture is 27 percent adequate and 73 percent surplus. Much needed rain was received in the west central and northwest part of the State during the past week, replenishing the topsoil shortage of a week earlier.

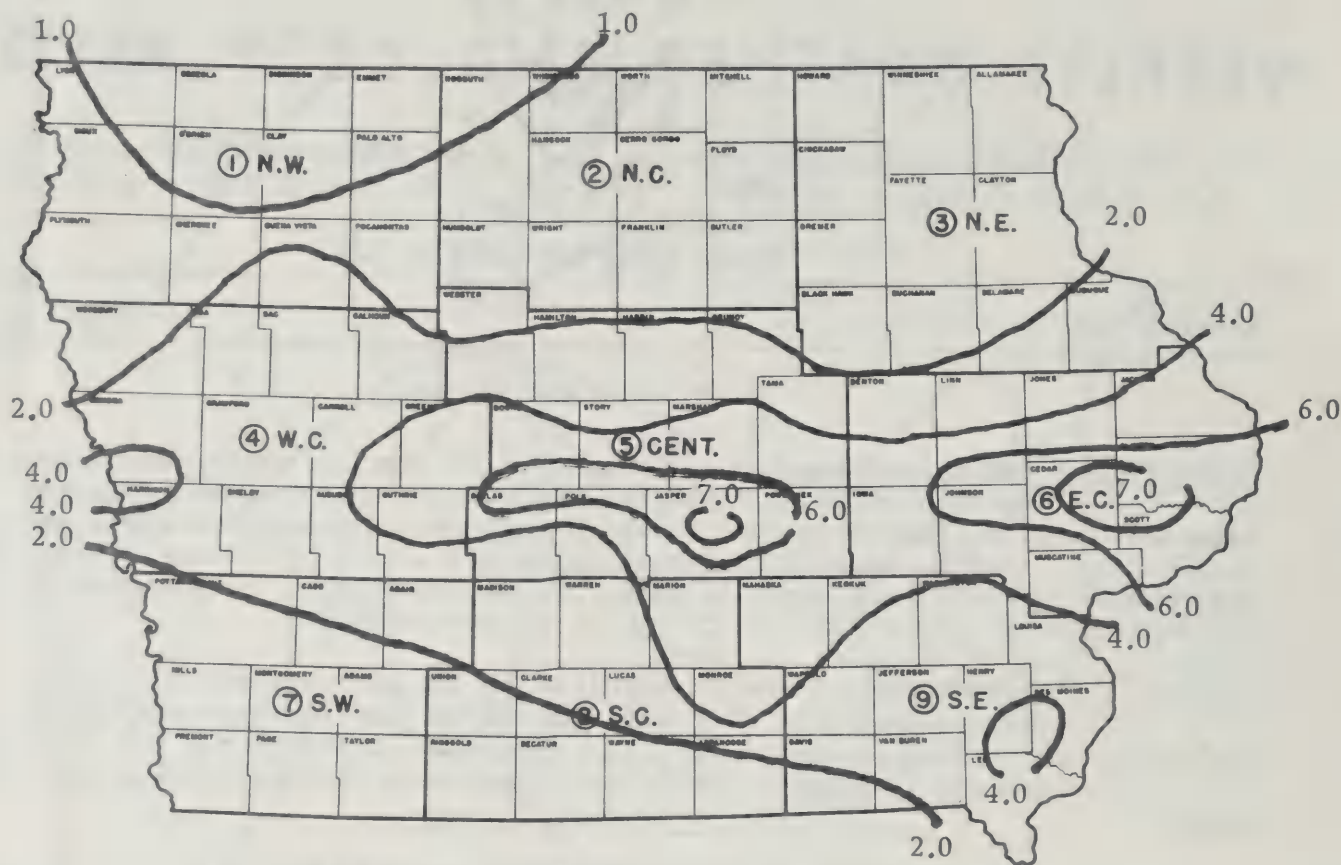
IOWA WEEKLY CROP SUMMARY

| Stage of Crop Progress and/or Development as of May 20, 1974 | Crop Reporting District | | | | | | | | | | 5 yr. Avg. |
|--|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|---------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | |
| Percent of corn planted | 88 | 72 | 61 | 86 | 73 | 57 | 83 | 58 | 70 | 76 | 84 |
| Days suitable for fieldwork | 2.7 | 1.1 | 0.4 | 2.5 | 1.0 | 0.1 | 2.3 | 1.5 | 0.4 | 1.4 | 5.3 |

(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

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AT URBANA-CHAMPAIGN



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| NW | 56 | -5 | -6 | -2 | 1.1 | +0.2 | +0.8 | -0.5 |
| NC | 56 | -4 | -7 | -2 | 1.6 | +0.6 | +1.5 | +0.2 |
| NE | 55 | -5 | -8 | -3 | 1.5 | +0.6 | +1.3 | +0.1 |
| WC | 61 | -2 | -4 | -1 | 2.9 | +2.0 | +2.7 | +1.2 |
| C | 58 | -4 | -7 | -2 | 3.9 | +2.9 | +3.2 | +2.7 |
| EC | 58 | -4 | -8 | -3 | 5.0 | +3.9 | +4.6 | +3.9 |
| SW | 63 | 0 | -2 | 0 | 1.9 | +0.9 | +1.0 | +0.6 |
| SC | 63 | 0 | -4 | -1 | 2.8 | +1.9 | +1.8 | +1.2 |
| SE | 63 | -1 | -6 | -2 | 3.4 | +2.5 | +3.1 | +2.2 |

*Departures are computed from 1941-70 normals.

UNITED STATES DEPARTMENT OF AGRICULTURE
STATISTICAL REPORTING SERVICE
AGRICULTURAL STATISTICIAN
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OFFICIAL BUSINESS

IMMEDIATE - U. S. WEATHER AND CROP REPORT.
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WEEKLY WEATHER AND CROP REPORT

Prepared jointly by

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NOAA - National Weather Service Statistical Reporting Service

In cooperation with

121 IOWA DEPARTMENT OF AGRICULTURE 74-8

Released Tuesday at 3:00 p.m., CDT, May 28, 1974

Des Moines, Iowa

Week Ending May 27, 1974

WEATHER: Temperatures averaged near normal while precipitation was above normal in a band from west central through central area to the southeast to below normal elsewhere. Warm and humid weather on Monday was followed by thundershowers Tuesday. Partly cloudy and cool conditions dominated Wednesday through Friday followed by thundershowers over the weekend. Warmest for the week was 89 degrees at Red Oak on Monday while 34 degrees at Sanborn on Friday was the coolest reported. Local flooding continued on rivers and streams in central and southeast.

CROPS: Fieldwork was still slowed by wet fields and rain during the past week. Statewide two and one half days were suitable for fieldwork, mainly late in the week. Planting in the northern and western part of the State is progressing well but planting in the east and south areas have been slow. Heavy rains have caused considerable washing from hillsides, depositing silt into low spots in fields. This has occurred mainly through the central and eastern part of the State. This will delay planting of wet spots until they become dried out.

Corn: Corn planting is 84 percent complete, compared with 83 percent last year and the 1968-72 average of 95 percent. Planting ranges from 95 percent complete in the northwest to about 60 percent complete in the east central. About 56 percent of the planted corn has emerged compared to 26 percent last year, with the stand 89 percent of normal. Statewide 7 percent of the corn is to be replanted, ranging from 1 percent in the northern third up to 20 percent in localized areas in the southern two thirds.

Soybeans: Soybean planting is 28 percent complete compared with 37 percent last year and an average of 62 percent. Planting ranges from 48 percent complete in the northwest to 10 percent complete in the east central.

Other Crops: Oats, haystands and pastures are in mostly good condition but ranging from fair to excellent. Some alfalfa weevil damage is reported in scattered parts of the State, mainly in the southern half of Iowa.

Moisture: Topsoil moisture is 40 percent adequate and 60 percent surplus with the central to southeast being extremely wet.

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IOWA WEEKLY CROP SUMMARY

JUL 30 1974

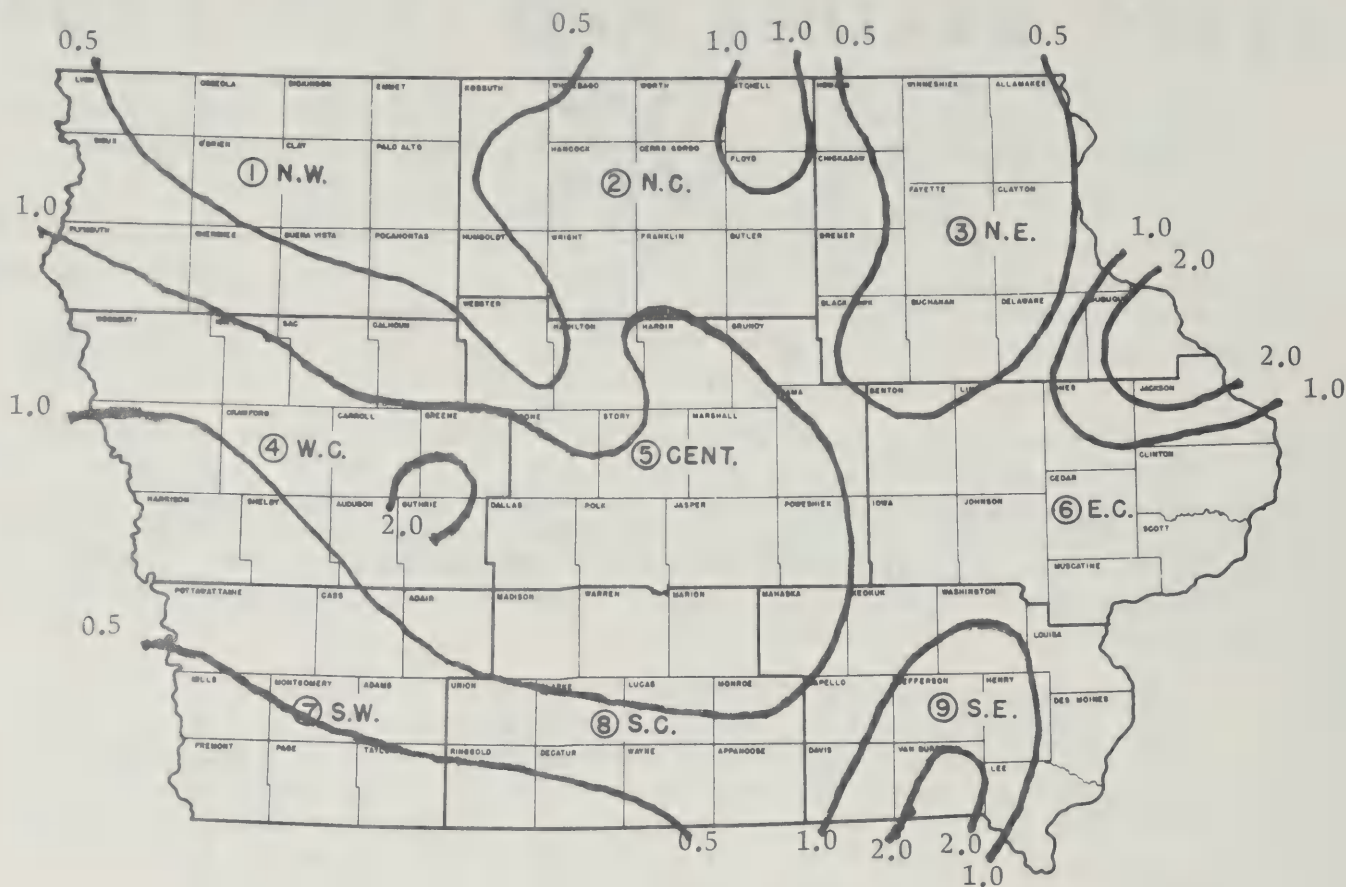
| Stage of Crop Progress and/or Development as of May 27, 1974 | Crop Reporting District | | | | | | | UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN | | | 5 Yr. Avg. |
|--|-------------------------|-----|-----|-----|-----|-----|-----|---|----|-------|---------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | |
| Percent of corn planted | 96 | 86 | 71 | 92 | 83 | 60 | 92 | 74 | 82 | 84 | 95 |
| Percent of soybeans planted | 48 | 20 | 16 | 38 | 16 | 10 | 42 | 30 | 16 | 28 | 62 |
| Days suitable for fieldwork | 3.7 | 2.4 | 2.7 | 2.6 | 2.0 | 1.3 | 3.8 | 1.6 | .9 | 2.4 | 4.6 |

Iowa Growing Degree Data - Week Ending May 24, 1974

| Location | Last Wk. | Dep.* | Since May 1 | Dep.* | Location | Last Wk. | Dep.* | Since May 1 | Dep.* |
|------------|----------|-------|-------------|-------|--------------|----------|-------|-------------|-------|
| Sibley | 82 | - 6 | 220 | -42 | Boone | 104 | +11 | 235 | -45 |
| Storm Lake | 81 | - 3 | 198 | -52 | Cedar Rapids | 105 | +12 | 223 | -62 |
| Mason City | 92 | + 8 | 202 | -46 | Clarinda | 127 | +23 | 317 | - 1 |
| Fayette | 95 | +10 | 192 | -62 | Corydon | 126 | +24 | 302 | - 6 |
| Denison | 105 | +14 | 244 | -31 | Fairfield | 127 | +24 | 271 | -39 |

* Departures computed from 1941-70 normals.

(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)



WEEKLY WEATHER BY DISTRICTS

| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| NW | 62 | -1 | -3 | -4 | 0.5 | -0.4 | -0.2 | -0.3 |
| NC | 61 | -1 | -3 | -4 | 0.7 | -0.3 | +0.6 | +0.9 |
| NE | 61 | -1 | -3 | -4 | 0.6 | -0.4 | +0.2 | +0.2 |
| WC | 64 | -1 | -2 | -2 | 1.1 | +0.1 | +2.1 | +1.9 |
| C | 63 | -2 | -3 | -4 | 1.4 | +0.4 | +3.3 | +2.8 |
| EC | 63 | -1 | -3 | -4 | 0.7 | -0.5 | +3.4 | +3.3 |
| SW | 65 | 0 | 0 | -1 | 0.6 | -0.5 | +0.4 | -0.2 |
| SC | 65 | 0 | 0 | -2 | 0.9 | 0.0 | +1.9 | +1.1 |
| SE | 65 | -1 | -1 | -4 | 1.1 | +0.2 | +2.7 | +2.5 |

*Departures are computed from 1941-70 normals.

UNITED STATES DEPARTMENT OF AGRICULTURE
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IMMEDIATE - U. S. WEATHER AND CROP REPORT.
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IOWA

WEEKLY WEATHER AND CROP REPORT

Prepared jointly by

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NOAA - National Weather Service Statistical Reporting Service

In cooperation with

121 IOWA DEPARTMENT OF AGRICULTURE 74-9

Released Monday at 3:00 p.m., CDT, June 3, 1974

Des Moines, Iowa

Week Ending June 3, 1974

WEATHER: Temperatures averaged near normal for the week with 90 degrees at Red Oak on Tuesday the warmest, while 42 degrees at Sheldon on Friday was the coolest. Showers and thunderstorms were common until the weekend when drier weather returned. Heavy rains and flooding was reported in central areas Monday night, in the Waterloo area Tuesday night and in the Shenandoah and Keokuk areas Thursday.

CROPS: Fieldwork progressed slowly again this week with most work being done in the northern third of Iowa. Some fieldwork was done in the southwest and west central but very little done in the east central, south central and southeast. Statewide, 2.5 days were suitable for fieldwork. Erosion and water standing in low spots has reduced stands of corn and soybeans in many areas. Drier weather over the weekend gave hope to many rain drenched areas.

Corn: Corn planting is 86 percent complete compared with 89 percent a year ago and the 1968-72 average of 95 percent. About 70 percent of the corn has emerged compared to 52 percent a year ago. The corn is in mostly fair to good condition but ranging from very poor to excellent. Weed control is a problem in the wetter areas of the State but overall 90 percent of the corn has fair to good control of weeds.

Soybeans: Soybean planting is 44 percent complete compared to 50 percent last year and the average of 80 percent. Much progress was made in plantings this week except in the east central, south central and southeast where things were at a near standstill. Weed control is fair to good in most areas but as with corn the wetter areas have a problem.

Other Crops: Oats, haystands and pastures continue to be in good condition with 75 percent fair to good shape and 25 percent in excellent condition. A few scattered spots of bad alfalfa weevil damage were reported.

Moisture: Topsoil moisture is 30 percent adequate and 70 percent surplus while sub-soil moisture is 38 percent adequate and 62 percent surplus.

IOWA WEEKLY CROP SUMMARY

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AT URBANA-CHAMPAIGN
5 yr.
State Avg.

| Stage of Crop Progress and/or Development as of June 3, 1974 | Crop Reporting District | | | | | | | | | | State | 5 yr. |
|--|-------------------------|-----|-----|-----|-----|----|-----|----|----|------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Avg. | | |
| Percent of corn planted | 99 | 88 | 84 | 94 | 84 | 64 | 92 | 74 | 82 | 86 | 98 | |
| Percent of soybeans planted | 87 | 58 | 34 | 50 | 34 | 12 | 58 | 30 | 20 | 44 | 80 | |
| Days suitable for fieldwork | 5.8 | 3.9 | 3.6 | 2.3 | 1.6 | .8 | 2.8 | .3 | .3 | 2.5 | 4.7 | |

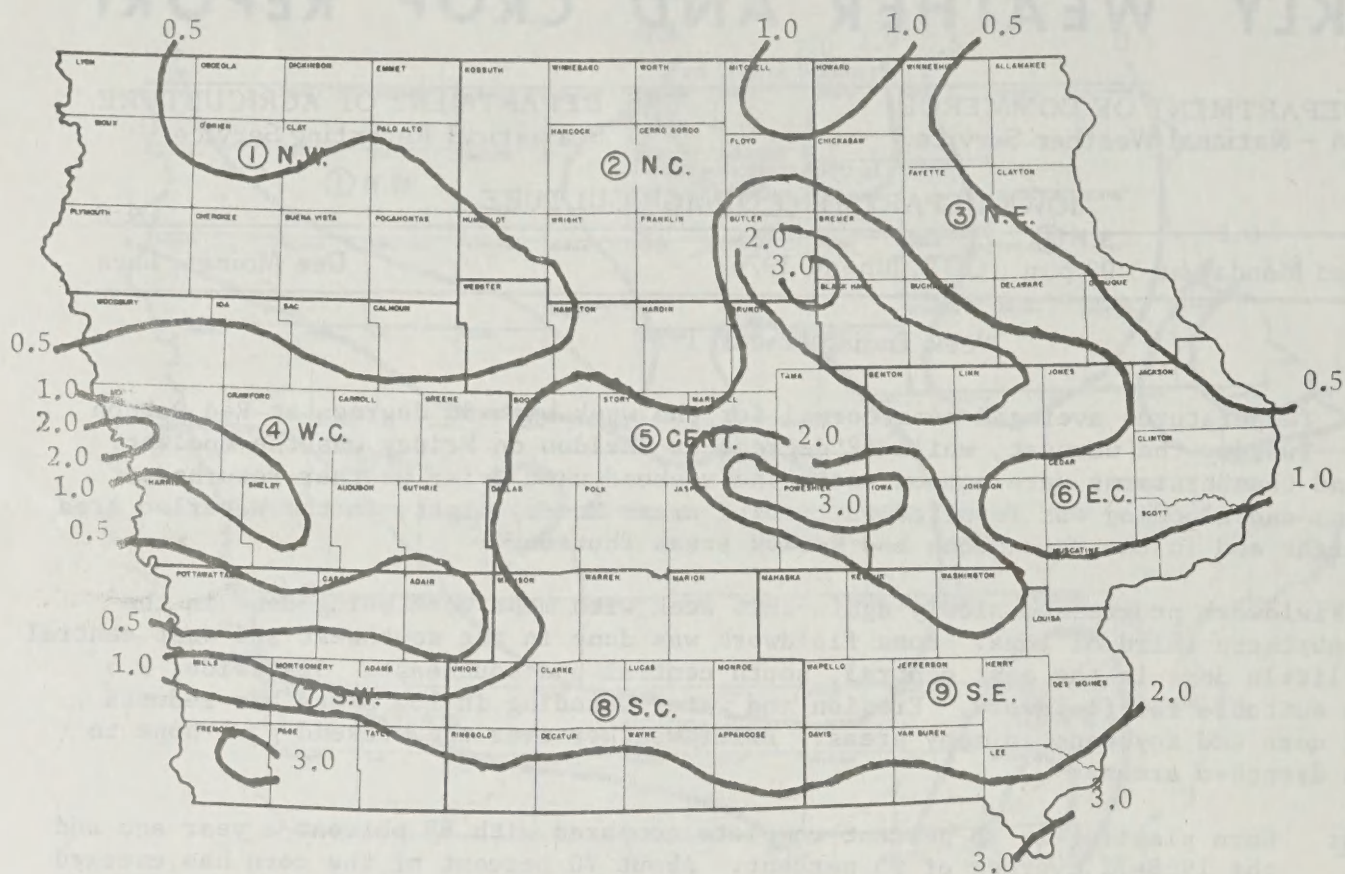
Iowa Growing Degree Data - Week Ending May 31, 1974

| Location | Last Wk. | Dep.* | Since May 1 | Dep.* | Location | Last Wk. | Dep.* | Since May 1 | Dep.* |
|------------|----------|-------|-------------|-------|--------------|----------|-------|-------------|-------|
| Sibley | 104 | + 3 | 324 | -39 | Boone | 95 | - 9 | 330 | -54 |
| Storm Lake | 97 | + 1 | 295 | -51 | Cedar Rapids | 102 | - 5 | 325 | -67 |
| Mason City | 87 | - 7 | 289 | -53 | Clarinda | 127 | +10 | 444 | + 9 |
| Fayette | 90 | - 6 | 282 | -68 | Corydon | 92 | -21 | 394 | -27 |
| Denison | 103 | - 1 | 347 | -32 | Fairfield | 99 | -17 | 370 | -56 |

* Departures computed from 1941-70 normals.

(Crop and field developments are estimates through Monday based on reports of correspondents through Saturday and weekly trends in similar seasons.)

MEER



WEEKLY WEATHER BY DISTRICTS

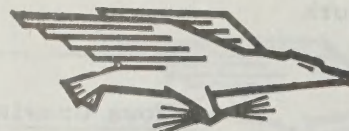
| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| NW | 66 | +1 | 0 | -3 | 0.4 | -0.7 | -1.1 | -0.3 |
| NC | 65 | 0 | -1 | -4 | 0.8 | -0.4 | -0.7 | +0.8 |
| NE | 63 | -1 | -1 | -5 | 1.0 | -0.1 | -0.5 | +0.8 |
| WC | 67 | 0 | -1 | -4 | 0.9 | -0.3 | -0.2 | +2.5 |
| C | 67 | 0 | -1 | -4 | 1.3 | +0.2 | +0.6 | +3.8 |
| EC | 65 | -2 | -2 | -5 | 1.3 | +0.1 | -0.4 | +4.2 |
| SW | 68 | +1 | +1 | -1 | 1.5 | +0.2 | -0.3 | +0.7 |
| SC | 68 | 0 | 0 | -2 | 1.5 | +0.4 | +0.4 | +2.2 |
| SE | 67 | -1 | -1 | -4 | 1.5 | +0.4 | +0.6 | +3.7 |

*Departures are computed from 1941-70 normals.

UNITED STATES DEPARTMENT OF AGRICULTURE
STATISTICAL REPORTING SERVICE
AGRICULTURAL STATISTICIAN
FEDERAL BLDG., ROOM 855
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DES MOINES, IOWA 50309

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IOWA

WEEKLY WEATHER AND CROP REPORT

Prepared jointly by

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U. S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service

In cooperation with

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IOWA DEPARTMENT OF AGRICULTURE

74-10

Released Monday at 3:00 p.m., CDT, June 10, 1974

Des Moines, Iowa

Week Ending June 10, 1974

WEATHER: Temperatures averaged near to slightly below normal with warm readings early in the week followed by a cool weekend. Precipitation was above normal again with frequent periods of showers and thunderstorms. Heavy rains fell in north central areas Monday night, over the southeast Thursday night and central areas Saturday night resulting in considerable flooding. Rainfall in excess of 4 inches in a 6 hour period was reported in some central areas Saturday night.

CROPS: Drier weather most of this week allowed farmers in all parts of the State to return to the fields. Statewide, 4.9 days were suitable for fieldwork with work in the east central, south central and southeast still lagging behind the rest of the State. Heavy rains on Saturday caused extensive crop damage in some parts of the State. Severe erosion and flooding in low spots along streams and rivers was reported but no estimate as to crop damage is available at this time. Hail damage in Ringgold, Harrison, Humboldt, Kossuth counties and other scattered spots was also reported.

Corn: Corn planting is 93 percent completed compared to 94 percent last year. Normally corn planting is completed at thistime. Over 80 percent of the planted corn has emerged compared to 74 percent last year. Nearly 8 percent of the corn acreage has been replanted with the greatest amount of replanting done in the east central, south central and southeast. The condition of the growing corn is mostly fair to good as is weed control.

Soybeans: Soybean planting is 69 percent complete, compared to 72 percent last year and the 5 year (1968-72) average of 94 percent. Forty-four percent of the soybeans have emerged compared to 42 percent last year. It is early in many spots to estimate the condition of soybeans but those that are up are fair to good with weed control good in the later planted acreage.

Other Crops: Alfalfa harvest got underway this week and is 15 percent complete with most of the yields good, although weevil damage reduced yields in some areas. Oats are 14 percent headed with 85 percent of the crop in good to excellent condition. Clover hay looks very good with 94 percent good to excellent.

Moisture: Topsoil moisture was 56 percent adequate and 44 percent surplus prior to Saturday rains.

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IOWA WEEKLY CROP SUMMARY

JUL 23 1974

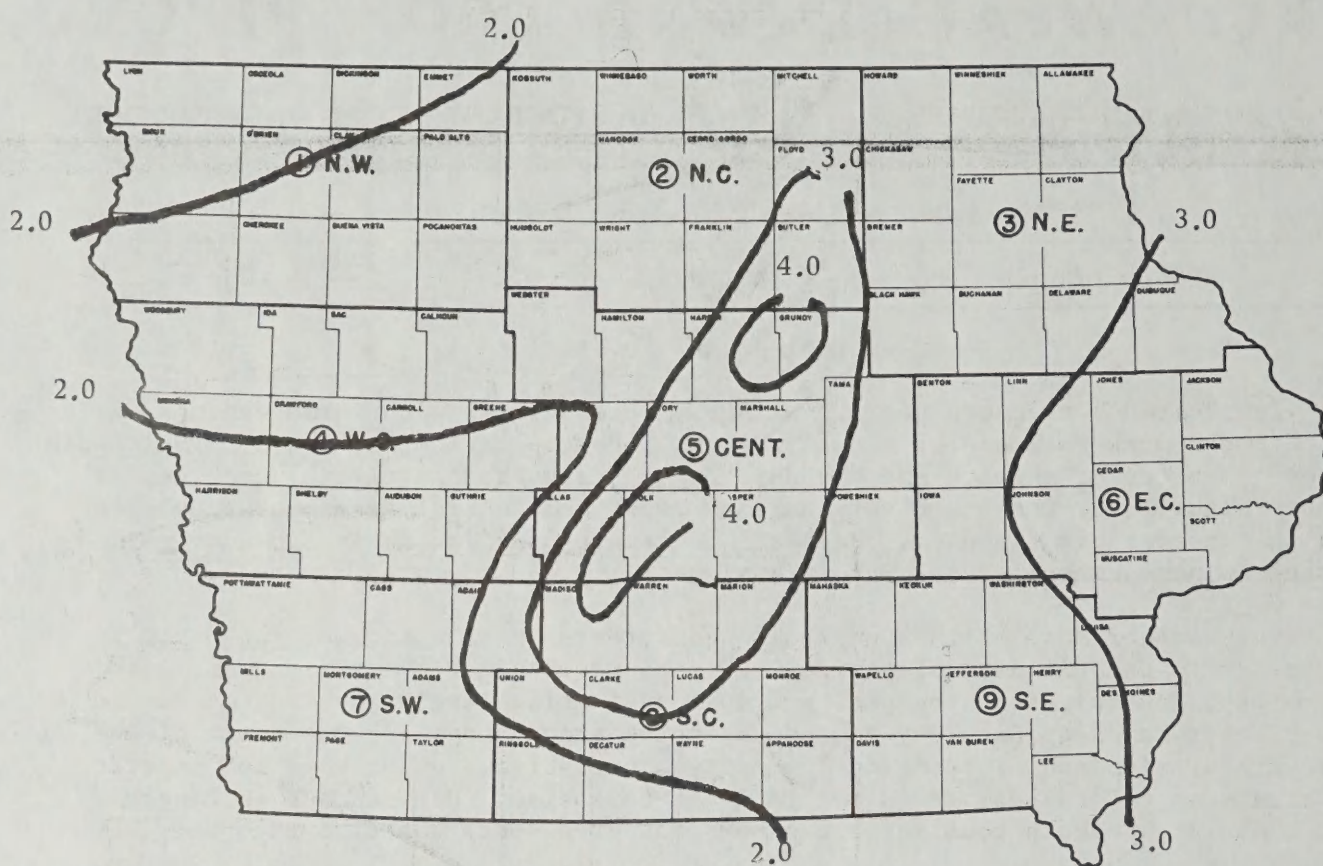
| Stage of Crop Progress and/or Development as of June 10, 1974 | Crop Reporting District | | | | | | | | | | 5 yr. Avg. |
|---|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|---------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | State | |
| Percent of corn planted | 100 | 96 | 93 | 97 | 95 | 86 | 95 | 83 | 86 | 93 | 100 |
| Percent of soybeans planted | 95 | 80 | 63 | 83 | 74 | 42 | 78 | 46 | 39 | 69 | 94 |
| Days suitable for fieldwork | 5.5 | 4.4 | 5.2 | 5.5 | 5.9 | 4.7 | 4.6 | 3.7 | 3.0 | 4.9 | 4.9 |

Iowa Growing Degree Data - Week Ending June 7, 1974

| Location | Last Wk. | Dep.* | Since May 1 | Dep.* | Location | Last Wk. | Dep.* | Since May 1 | Dep.* |
|-------------|----------|-------|-------------|-------|--------------|----------|-------|-------------|-------|
| Rock Rapids | 122 | + 9 | 446 | -30 | Boone | 129 | +12 | 459 | -42 |
| Storm Lake | 111 | + 3 | 406 | -48 | Cedar Rapids | 124 | + 2 | 449 | -65 |
| Mason City | 119 | + 8 | 408 | -45 | Clarinda | 132 | + 3 | 576 | +12 |
| Fayette | 114 | + 3 | 396 | -65 | Corydon | 121 | - 5 | 515 | -32 |
| Denison | 136 | +21 | 483 | -11 | Fairfield | 130 | - 2 | 500 | -58 |

* Departures computed from 1941-70 normals.

PRECIPITATION FOR WEEK ENDING 6:00 A. M., CDT, JUNE 10, 1974



WEEKLY WEATHER BY DISTRICTS

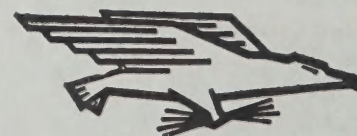
| District | TEMPERATURE (degrees) | | | | PRECIPITATION (inches) | | | |
|----------|-----------------------|--------------|-----------------|-----------------|------------------------|--------------|-----------------|-----------------|
| | Average Last Week | Departure* | | | Average Last Week | Departure* | | |
| | | Last Week | Last 2 Weeks | Last 4 Weeks | | Last Week | Last 2 Weeks | Last 4 Weeks |
| NW | 67 | 0 | +1 | -1 | 2.0 | +0.8 | +0.1 | -0.1 |
| NC | 67 | 0 | 0 | -1 | 2.3 | +1.1 | +0.7 | +1.0 |
| NE | 67 | +1 | 0 | -2 | 2.6 | +1.4 | +1.3 | +1.5 |
| WC | 68 | -1 | -1 | -1 | 1.8 | +0.5 | +0.2 | +2.3 |
| C | 68 | -1 | -1 | -2 | 3.1 | +1.8 | +2.0 | +5.3 |
| EC | 68 | -1 | -2 | -2 | 3.0 | +1.8 | +1.9 | +5.3 |
| SW | 68 | -1 | 0 | 0 | 1.7 | +0.4 | +0.6 | +1.0 |
| SC | 68 | -2 | -1 | -1 | 3.0 | +1.7 | +2.1 | +4.0 |
| SE | 68 | -2 | -2 | -1 | 2.5 | +1.3 | +1.7 | +4.4 |

*Departures are computed from 1941-70 normals.

UNITED STATES DEPARTMENT OF AGRICULTURE
STATISTICAL REPORTING SERVICE
AGRICULTURAL STATISTICIAN
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